

SAFETY DATA SHEET Ticagrelor

Revision: 01/08/2019 Supersedes Revision: 12/15/2014

	dentification of the Cubatanaa Miliuture and file	o Compony/Undortaking					
Section 1. Id	dentification of the Substance/Mixture and of th	e Company/Undertaking					
.1 Product Code:	15425						
Product Name:	Ticagrelor						
Synonyms:	(1S,2S,3R,5S)-3-[7-[[(1R,2S)-2-(3,4-difluorophenyl)cyclopropyl]amino]-5-(propylthio)-3H-1,2,3 azolo[4,5-d]pyrimidin-3-yl]-5-(2-hydroxyethoxy)-1,2-cyclopentanediol; AR-C 126532XX; AZD 6140;						
.2 Relevant identified uses of	the substance or mixture and uses advised aga	ainst:					
Relevant identified uses:	For research use only, not for human or veterin	hary use.					
3 Details of the Supplier of the	Details of the Supplier of the Safety Data Sheet:						
Company Name:	Cayman Chemical Company 1180 E. Ellsworth Rd. Ann Arbor, MI 48108						
Web site address:	www.caymanchem.com						
Information:	Cayman Chemical Company	+1 (734)971-3335					
.4 Emergency telephone num	ber:						
Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887					
	Section 2. Hazards Identifica						
.2 Label Elements:							
2 Label Elements:							
2 Label Elements: GHS Signal Word:	Warning						
	Warning						
GHS Signal Word:	-						
GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H411: Toxic to aquatic life	irritation. with long lasting effects.						
GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H411: Toxic to aquatic life GHS Precaution Phrases	irritation. with long lasting effects.						
GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H411: Toxic to aquatic life GHS Precaution Phrases P264: Wash {hands} thoro	irritation. with long lasting effects. :: ughly after handling.						
GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H411: Toxic to aquatic life GHS Precaution Phrases P264: Wash {hands} thoro P273: Avoid release to the	irritation. with long lasting effects. : ughly after handling. environment.						
GHS Signal Word: GHS Hazard Phrases: H319: Causes serious eye H411: Toxic to aquatic life GHS Precaution Phrases P264: Wash {hands} thoro P273: Avoid release to the P280: Wear {protective glo	irritation. with long lasting effects. :: ughly after handling. environment. wes/protective clothing/eye protection/face protection	on}.					
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Multi-region format

2	1		SAFE	TY DATA SH	IEET	Page: 2 of	
(<u> </u>		r	Ficagrelor		Revision: 01/08/2019	
ay	nen					Supersedes Revision: 12/15/2014	
.3	Advers	e Human Health	Causes serious eye irritation				
	Effects	and Symptoms:	Material may be irritating to t			spiratory tract.	
			May be harmful by inhalation	-	absorption.		
			May cause skin or respirator				
			Toxic to aquatic life with long	•	<i>e</i> 1		
						t been thoroughly investigated.	
		Sect	ion 3. Composition	/Information	on Ingredie	ents	
CAS	-	-	oonents (Chemical Name)/	Concentration	EC No./	GHS Classification	
RTEC		REACH Registra	tion No.		EC Index No.		
	93-27-5	Ticagrelor		100.0 %	619-540-9	Eye Damage 2: H319	
NA					NA	Aquatic (C) 2: H411	
			Section 4. Fi	rst Aid Meas	ures		
l.1	Descrip	otion of First Aid					
	Measur	es:					
	In Case	of Inhalation:	Remove to fresh air. If not bre Get immediate medical attent		al respiration or gi	ve oxygen by trained personnel	
	In Case	of Skin Contact:	Immediately wash skin with s clothing. Get medical attentio			5 minutes. Remove contaminate pefore reuse.	
	In Case	of Eye Contact:	Hold eyelids apart and flush e	eyes with plenty of v	water for at least 1	5 minutes. Have eyes examine	
			and tested by medical persor	nnel.			
	In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by unconscious person. Get medical attention. Do NOT induce vomiting unless direct					ive anything by mouth to an	
						ng unless directed to do so by	
			medical personnel.				
			Section 5. Fire	Fighting Me	asures		
5.1	Suitable	ble Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.					
	Media:	lia: Use water spray to cool fire-exposed containers.					
	Unsuita	able Extinguishing	A solid water stream may be	inefficient.			
	Media:						
5.2	Flamma Hazarda	-	d No data available.				
			No data available.				
	Flash P	't:	No data.				
	Explosi	ive Limits:	LEL: No data.	UEL: No d	ata.		
	Autoigr	nition Pt:	No data.				
5.3	Fire Fig	hting Instructions	: As in any fire, wear self-cont	ained breathing app	aratus pressure-c	demand (NIOSH approved or	
			equivalent), and full protectiv	• • • •	-		



SAFETY DATA SHEET

Ticagrelor

Revision: 01/08/2019

		Supersedes Revision: 12/15/2014
	Se	ection 6. Accidental Release Measures
6.1		void raising and breathing dust, and provide adequate ventilation. s conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
		and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
6.2		ake steps to avoid release into the environment, if safe to do so.
0.2	Precautions:	
6.3		ontain spill and collect, as appropriate.
		ansfer to a chemical waste container for disposal in accordance with local regulations.
	Up:	
		Section 7. Handling and Storage
7.1		oid breathing dust/fume/gas/mist/vapours/spray.
	U	roid prolonged or repeated exposure.
7.2	Precautions To Be Taken Ke	
	in Storing: St	ore in accordance with information listed on the product insert.
	Sectio	n 8. Exposure Controls/Personal Protection
8.1	Exposure Parameters:	
8.2	Exposure Controls:	
8.2.1	Engineering Controls	e process enclosures, local exhaust ventilation, or other engineering controls to control airborne
	(Ventilation etc.):	vels below recommended exposure limits.
8.2.2	Personal protection equipme	ent:
	Eye Protection: Sa	fety glasses
		ompatible chemical-resistant gloves
	Other Protective Clothing:La	b coat
		OSH approved respirator, as conditions warrant.
	(Specify Type):	
	Work/Hygienic/Maintenan Do	-
		cilities storing or utilizing this material should be equipped with an eyewash and a safety shower.
		ash thoroughly after handling.
	N	o data available.
	Sec	tion 9. Physical and Chemical Properties
9.1	Information on Basic Physica	-
	Physical States:	[]Gas []Liquid [X]Solid
	Appearance and Odor:	A crystalline solid
	рН:	No data.
	Melting Point:	No data.
	Boiling Point:	No data.
	Flash Pt:	No data.
	Evaporation Rate:	No data. No data available.
	Flammability (solid, gas): Explosive Limits:	LEL: No data. UEL: No data.
	Vapor Pressure (vs. Air or m	
	Hg):	
	Vapor Density (vs. Air = 1):	No data.
	,	

SAFETY DATA SHEET Ticagrelor

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				0.		1011. 12/13/2014
	Specific Gravity (Water =	1): No data.				
	Solubility in Water:	No data.				
	Solubility Notes:	~0.15 mg/ml in a 1:5 solutio DMSO; ~25 mg/ml in DMF;	n of DMSO:PBS (pł	⊣ 7.2); ~15 m	ig/ml in EtOH;	~20 mg/ml in
	Octanol/Water Partition	No data.				
	Coefficient:					
	Autoignition Pt:	No data.				
	Decomposition Temperat	ure: No data.				
	Viscosity:	No data.				
9.2	Other Information					
	Percent Volatile:	No data.				
	Molecular Formula & Wei		.6			
		Section 10. Stability	and Reactiv	ity		
10.1	Reactivity:	No data available.		-		
10.2	Stability:	Unstable [] Stable [X]				
10.3	Stability Note(s):	Stable if stored in accordance with	information listed or	the product	insert.	
	Polymerization:	Will occur [] Will not occur [X	[]			
10.4	Conditions To Avoid:	No data available.				
10.5	Incompatibility - Materials	s strong oxidizing agents				
	To Avoid:					
10.6	Hazardous	carbon dioxide				
	Decomposition or	carbon monoxide				
	Byproducts:	hydrogen fluoride				
		hydrogen sulfide				
		nitrogen oxides				
		Section 11. Toxicolog	gical Informat	tion		
11.1	Information on	The toxicological effects of this proc	duct have not been	thoroughly st	udied.	
	Toxicological Effects:					
CAS	# Hazardous Com	ponents (Chemical Name)	NTP	IARC	ACGIH	OSHA
2746	93-27-5 Ticagrelor		n.a.	n.a.	n.a.	n.a.
	·	Section 12. Ecologi	cal Informatio	, DN	•	•
12.1	Toxicity:	Avoid release into the environment.				
		Runoff from fire control or dilution w	ater may cause pol	lution.		
12.2	Persistence and	No data available.				
	Degradability:					
12.3	Bioaccumulative	No data available.				
	Potential:					
12.4	Mobility in Soil:	No data available.				
12.5	Results of PBT and vPvB	ts of PBT and vPvB No data available.				
	assessment:					
12.6	Other adverse effects:	No data available.				



SAFETY DATA SHEET Ticagrelor

Page: 5 of 5

Revision: 01/08/2019 Supersedes Revision: 12/15/2014

CHEMICAL				Supe	ersedes Revision: 12/15/20	
		Section 13. Dispo	sal Considera	ations		
13.1 Waste D	isposal Method: Dispose in accordance with local, state, and federal regulations.					
		Section 14. Trar	nsport Informa	ation		
14.1 LAND T	RANSPORT (US	DOT):				
DOT Prope	er Shipping Name	: Not dangerous goods.				
DOT Hazar	d Class:					
UN/NA Nur	nber:					
14.1 LAND T	RANSPORT (Eur	opean ADR/RID):				
	hipping Name:	Not dangerous goods.				
UN Numbe						
Hazard Cla 14.3 AIR TR		7.4 T A \.				
	ANSPORT (ICAO/ Shipping Name:					
Additional Tra		Transport in accordance with I	ocal, state, and fede	ral regulations.		
Information:			,			
		Section 15. Regu	latory Inform	ation		
FPA SARA (Su	Inerfund Amenda	nents and Reauthorization Act	•			
CAS #		ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
274693-27-5	Ticagrelor		No	No	No	
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists			
274693-27-5			CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No			
Regulatory Info	ormation	This SDS was prepared in acc No.1272/2008.	cordance with 29 CFR 1910.1200 and Regulation (EC)			
		Section 16. Ot	her Informatio	on		
Revision Date:		01/08/2019				
Additional Info	rmation About	No data available.				
This Product:						
Company Polic	y or Disclaimer:	DISCLAIMER: This information	n is believed to be ac	curate and represe	nts the best information	
		currently available to us. However, we make no warranty of merchantability or any other warranty				
		express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for				
		their particular purposes.				