

Revision: 02/23/2015

	acc	ording to Regulation (EC) No. 1907/2006 as amended by ((EC) No. 1272/2008
	Section 1.	Identification of the Substance/Mixture and of th	ne Company/Undertaking
1.1	Product Code: Product Name: Synonyms:	11746 Lonafarnib 4-[2-[4-[(11R)-3,10-dibromo-8-chloro-6,11-dihy 1-piperidinyl]-2-oxoethyl]-1-piperidinecarboxan	/dro-5H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-yl] nide; Sarasar; SCH 66336;
1.2	Relevant identified uses o	f the substance or mixture and uses advised ag	ainst:
	Relevant identified uses	: For research use only, not for human or vetering	nary use.
1.3	Details of the Supplier of t	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
1.4	Emergency telephone nur	nber:	
	Emergency Contact:	CHEMTREC Within USA and Canada: CHEMTREC Outside USA and Canada:	+1 (800)424-9300 +1 (703)527-3887
		Section 2. Hazards Identification	ation
2.2 2.2.1	Label Elements:	Toxicity (repeated exposure), Category 2 gulation (EC) No 1272/2008 [CLP]:	
	GHS Signal Word:	Warning	
	GHS Hazard Phrases: H361: Suspected of damage H373: May cause damage GHS Precaution Phrases: P201: Obtain special instrue P202: Do not handle until a P281: Use personal protect P260: Do not breathe {dust GHS Response Phrases:	ing fertility or the unborn child. to {organs} through prolonged or repeated exposure ctions before use. Il safety precautions have been read and understoo tive equipment as required. /fume/gas/mist/vapours/spray}.	



2.3	CHIMICAL							
		e Human Health and Symptoms:	Material may be irritating to t May be harmful by inhalation May cause damage to organ May cause eye, skin, or resp Suspected of damaging ferti	n, ingestion, or skin ns through prolonge piratory system irrita lity or the unborn ch	absorption. d or repeated expo tion. ild.	osure.		
		Sect	tion 3. Composition		-	t been thoroughly investigated.		
CAS RTEC		1	oonents (Chemical Name)/	Concentration	EC No./ EC Index No.	GHS Classification		
	75-84-2 89100	Lonafarnib		100.0 %	NA NA	Toxic Repro. 2: H361 TOST (RE) 2: H373		
			Section 4. Fi	irst Aid Meas	ures			
1.1	Description of First Aid Measures:		No data available.					
	In Case of Inhalation:		Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.					
	In Case	e of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.					
	In Case	of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.					
	In Case	e of Ingestion:	Wash out mouth with water p unconscious person. Get me medical personnel.	-	-	ive anything by mouth to an ng unless directed to do so by		
			Section 5. Fire	Fighting Me	asures			
5.1	Media:	e Extinguishing	Use alcohol-resistant foam, o Use water spray to cool fire-	exposed containers	-	l spray.		
	Media:	able Extinguishing	A solid water stream may be	e inemcient.				
5.2	Flamma Hazard	-	d No data available.					
	Flash F		No data.		1-1-			
	-	ive Limits: nition Pt:	LEL: No data. No data.	UEL: No o	1212.			
5.3	-		As in any fire, wear self-cont	tained breathing apr	paratus pressure-d	lemand (NIOSH approved or		
	THE FIL	many manucuons	equivalent), and full protectiv					



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	Section 6. Accidental Release Measures							
6.1	Protecti	ve Precautions,	Avoid raising and bre	eathing dust, and provide adeq	uate ventilation.			
	Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirato				atus, or respirator,			
	Emerge	ncy Procedures:	and appropriate pers	onal protection (rubber boots,	safety goggles, and heavy re	ubber gloves).		
6.2	Environ	mental	Take steps to avoid r	elease into the environment, if	ease into the environment, if safe to do so.			
	Precautions:							
6.3	Methods and Material For Contain spill and collect, as appropriate.							
		ment and Cleanin	gTransfer to a chemic	al waste container for disposal	in accordance with local reg	julations.		
	Up:							
			Section 7.	Handling and Stor	age			
7.1	Precaut	ions To Be Taken	Avoid breathing dust/	fume/gas/mist/vapours/spray.				
	in Hand	ling:	Avoid prolonged or re	peated exposure.				
7.2	Precaut	ions To Be Taken	Keep container tightly	closed.				
	in Stori	ng:	Store in accordance w	with information listed on the p	roduct insert.			
		Sect	tion 8. Exposu	re Controls/Persona	al Protection			
8.1	Exposur	e Parameters:	·					
CAS	#	Partial Chemical	Name	Britain EH40	France VL	Europe		
1932	75-84-2	Lonafarnib		No data.	No data.	No data.		
CAS	#	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits		
1932	75-84-2	Lonafarnib		No data.	No data.	No data.		
8.2	Exposu	e Controls:			ł	1		
8.2.1	Enginee	ering Controls	Use process enclosu	res, local exhaust ventilation, c	or other engineering controls	to control airborne		
	(Ventila	tion etc.):	levels below recommended exposure limits.					
8.2.2	Persona	al protection equi	pment:	nt:				
	Eye Pro	tection:	Safety glasses					
	Protecti	ve Gloves:	Compatible chemical-resistant gloves					
	Other P	rotective Clothing	:Lab coat	coat				
	Respiratory Equipment NIC		NIOSH approved respirator, as conditions warrant.					
	(Specify							
		-	Do not take internally					
			Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
			Wash thoroughly after handling. No data available.					
			NU Uala available.					

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	Se	ection 9. Physical and Chemical Properties					
9.1	Information on Basic Phys	Information on Basic Physical and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A crystalline solid					
	Melting Point:	No data.					
	Boiling Point:	No data.					
	Flash Pt:	No data.					
	Evaporation Rate:	No data.					
	Explosive Limits:	LEL: No data. UEL: No data.					
	Vapor Pressure (vs. Air or Hg):	mm No data.					
	Vapor Density (vs. Air = 1)	: No data.					
	Specific Gravity (Water = 1): No data.					
	Solubility in Water:	No data.					
	Solubility Notes:	~0.2 mg/ml in a 1:4 solution of EtOH:PBS (pH 7.2); ~14 mg/ml in EtOH & DMF; ~3 mg/ml ir DMSO;					
	Autoignition Pt:	No data.					
9.2	Other Information						
	Percent Volatile:	No data.					
	Molecular Formula & Weig	ht: C27H31Br2CIN4O2 638.8					
		Section 10. Stability and Reactivity					
0.1	Reactivity:	No data available.					
0.2		Unstable [] Stable [X]					
0.3	-	Stable if stored in accordance with information listed on the product insert.					
		Will occur [] Will not occur [X]					
0.4		No data available.					
0.5	Incompatibility - Materials						
	To Avoid:						
0.6		No data available.					
	Decomposition Or						
	Byproducts:						
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			Section 11. Toxico	ological Ir	nformat	tion		
11.1	.1 Information on The toxicological effects			product have	not been	thoroughly stu	udied.	
	Toxicological Effects:		Lonafarnib - Toxicity Data: Oral Human 140 mg/kg/28D (intermittent);					
	Chronic	Toxicological	Lonafarnib - Investigated as a	drug.				
	Effects:		Only select Registry of Toxic E	ffects of Chen	nical Subs ⁻	tances (RTEC	CS) data is pre	sented here.
			See actual entry in RTECS for	-	rmation.			
		•	Lonafarnib RTECS Number: T	M5989100				
CAS			ponents (Chemical Name)		NTP	IARC	ACGIH	OSHA
1932	275-84-2	Lonafarnib			n.a.	n.a.	n.a.	n.a.
			Section 12. Ecol	ogical Inf	ormatio	on		
12.1	Toxicity	:	Avoid release into the environment.					
			Runoff from fire control or dilution water may cause pollution.					
12.2	Persiste	nce and	No data available.					
	Degrada	ıbility:						
12.3		mulative	No data available.					
	Potentia							
12.4	Mobility		No data available.					
12.5	Results	of PBT and vPvB	No data available.					
	assessn	nent:						
			Section 13. Dispo	sal Cons	ideratio	ons		
13.1	Waste D	isposal Method:	Dispose in accordance with loc	cal, state, and	federal reo	gulations.		
			Section 14. Trar	nsport Inf	ormatio	on		
14.1	LAND T	RANSPORT (US	DOT):					
C	OT Prope	r Shipping Name	Not dangerous goods.					
	OT Hazar							
U	IN/NA Nur	nber:						
14.1	LAND T	RANSPORT (Eur	opean ADR/RID):					
		hipping Name:	Not dangerous goods.					
-	UN Number: Hazard Class:							
14.3		ss. Ansport (ICAO/	IATA).					
		Shipping Name:	Not dangerous goods.					
	tional Tra		Transport in accordance with I	ocal state an	d federal r	egulations		
	mation:			ocal, state, an	arcaciari	egulations.		
			Section 15. Regu	latory Inf	ormati	on		
EPA	SARA (Su	perfund Amendr	nents and Reauthorization Act					
CAS #Hazardous Components (Chemical Name)S. 302 (EHS)S. 304 RQS. 313				B (TRI)				
1932	275-84-2	Lonafarnib	· · · · ·	No	-	No	No	-
CAS	#	Hazardous Com	ponents (Chemical Name)	Other US	EPA or St	ate Lists	•	
		NP,ODC: No; CWA NPDES: No; TSCA: No; CA						
PROP.65: No								
							N	Iulti-region forma



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Regulatory Information Statement:	This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.
	Section 16. Other Information
Revision Date:	02/23/2015
Additional Information About	No data available.
This Product:	
Company Policy or Disclaimer:	DISCLAIMER: This information is believed to be accurate and represents 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.

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