Material Safety Data Sheet

Section 1 : Chemical Product Company Identification	
Product Name	Velpatasvir In-House Reference Standard
CAS No.	1377049-84-7
Identified uses	Pharmaceutical Reference Standard
Details of the Supplier Company	SynZeal Research Pvt Ltd Plot No. F, Ganesh Industrial Estate 423/24/8, MahagujaratInd Estate Sarkhej-Bavla Road, Ahmedabad-382 213. Gujarat, India.
Telephone	+91-7969225400

Section 2 : Chemical Information	
Chemical Name	Methyl ((R)-2-((2S,4S)-2-(5-(2-((2S,5S)-1-((methoxycarbonyl)-L-valyl)-5-meth ylpyrrolidin-2-yl)-1,11-dihydroisochromeno[4',3':6,7]naphtho[1,2-d]i midazol-9-yl)-1H-imidazol-2-yl)-4-(methoxymethyl)pyrrolidin-1-yl)-2 -oxo-1-phenylethyl)carbamate
CAS No.	1377049-84-7
Molecular Weight	883.0
Molecular Formula	C49H54N8O8

Section 3: Hazards Identification		
Emergency Overview:		
Appearance	Off White Solid	
Target Organs	NA	
Potential Health Effects:		
Eye	NIL	
Skin	NIL	
Ingestion	NIL	
Inhalation	NIL	
Chronic	NIL	

Hazard Statement:			
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H319-Causes skin irritation. H319-Causes skin	1312-Harmful in contact with skin. 1315-Causes skin irritation. 1319-Causes skin irritation. 1319-Causes scious eye irritation. 1319-Causes scious eye irritation. 1322-Harmful if inhaled. 1335:May cause respiratory irritation. 1332-Harmful irritation. 1332-				
H319:Causes skin irritation. H319:Causes serious eye irritation. H319:Causes serious eye irritation. H332:Harmful if inhaled. H335:May cause respiratory irritation. Precautionary Statement: P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P262:Do not get in eyes, on skin, or on clothing. P271:Use only outdoors or in a well-ventilated area. P280:Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352:IF ON SKIN: Wash with plenty of water P304 + P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313:IF exposed or concerned: Get medical advice/attention. Section 4 : First Aid Measures Eye Wash with plenty of water Skin Wash with plenty of water Ingestion Medical assistance for gastric lavage. Inhalation Remove to fresh air, artificial respiration or oxygen if necessary. Notes to Physician Velpataovir In-House Reference Standard can be washed with plenty of water in case of any exposure Section 5 : Firefighting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6 : Accidental Release Measures	1315-Causes skin irritation. 1319-Causes serious eye irritation. 1324-larmful if inhaled. 1325-May cause respiratory irritation. 1326-May cause respiratory irritation. 1326-May cause respiratory irritation. 1326-May cause respiratory irritation. 1226-May cause respiratory irritation. 1227-1-Use only outdoors or in a well-werdiated area. 1228-May cause respiratory irritation. 1228-May cause respiratory irritation. 1228-May cause respiratory irritation. 1229-May cause respiratory irritation. 1230-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	H302:Harmful if swallowed.			
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Notes to Physician Velpatasvir In-House Reference Standard can be washed with plenty of water in case of any exposure Section 5 : Firefighting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6 : Accidental Release Measures	Velpatasvir In-House Reference Standard can be washed with plenty of water in case of any exposure ection 5 : Firefighting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated ection 6 : Accidental Release Measures Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.	Ingestion	Medical assistance for gastric lavage.		
Section 5 : Firefighting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6 : Accidental Release Measures	of water in case of any exposure Rection 5 : Firefighting Measures Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Rection 6 : Accidental Release Measures Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.	Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.		
Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6 : Accidental Release Measures	Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. None indicated Personal Precautions Carbon dioxide, dry chemical powder, foam, water. None indicated Wear self-contained breathing apparatus, avoid dust formation.	Notes to Physician			
Unusual Fire and Explosion Hazards None indicated Section 6 : Accidental Release Measures	Personal Precautions None indicated None indicated Wear self-contained breathing apparatus, avoid dust formation.	Section 5 : Firefighting Measures			
Section 6 : Accidental Release Measures	Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.	Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.		
	Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.	Unusual Fire and Explosion Hazards	None indicated		
Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.		Section 6 : Accidental Release Measures			
	pills/Leaks Wash with plenty of water, provide adequate ventilation.	Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.		
Spills/Leaks Wash with plenty of water, provide adequate ventilation.		Spills/Leaks	Wash with plenty of water, provide adequate ventilation.		

$Section \ 7: Handlings \ and \ Storage$

Handling	Wear surgical gloves
Storage	Can be stored at room temperature

Section 8: Exposure Controls, Personal Protection	
Respiratory Protection	Self-contained breathing apparatus
Exposure Limits	NA
Eye Protection	Wear safety goggles
Other Protective Equipment	Protective clothing
Skin	Full sleeves apron
Clothing	Cotton

Section 9: Physical and Chemical Properties		
Appearance	Off White Solid	
Odor	Odor less	
Melting Point	NA	
рН	Basic	
Vapor Pressure	NA	
Vapor Density	NA	
Evaporation Rate	NA	
Viscosity	NA	
Boiling Point	NA	
Decomposition Temp	NA	
Auto ignition Temp.	NA	
Flash Point	NA	
NFPA Rating	NA	
Explosion Limits		
Lower	NA	
Upper	NA	
Solubility	Chloroform, Methanol	
Specific Gravity/Density	NA	

Section 10 : Stability and Reactivity	
Chemical Stability	Stable

Conditions to avoid	Direct contract to skin
Incompatibilities with other Materials	Keep away
Hazardous Decomposition Products	NIL
Hazardous Polymerization	NIL

Section 11 : Toxicological Information		
CAS	NA	
LD50/LC50	NA	
Carcinogenicity	NIL	
Epidemiology	NIL	
Teratogenicity	NIL	
Reproductive Effects	NIL	
Neurotoxicity	NIL	
Mutagencity	NIL	
Other Studies	NA	

Section 12: Ecological Information

Data not available

Section 13 : Disposal Consideration	
RCRA P-Series	Can be incinerated

RCRA U-Series NA

Section 14: Transport Consideration

UN-Number

ADR/RID: IMDG: IATA:

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: IMDG: IATA:

Packaging Group

ADR/RID: IMDG: IATA:

Environmental hazards				
ADR/RID: No	IMDG Marine pollutant: No	IATA: No		
Special precautions for users				
Further information				

Section 15: Regulatory Information				
TSCA	Attached the letter			
Health and Safety Reporting List	No data available			
Chemical Test Rules	Chemical analysis report is attached			

Section 16: Additional Information

This product is not bioactive, non-radioactive. It is for R and D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge. It does not represent any guarantee of the product.