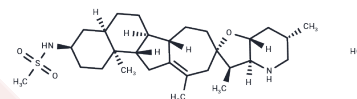


Patidegib HCl

Chemical Properties

CAS No. :	1169829-40-6
Formula:	C ₂₉ H ₄₉ ClN ₂ O ₃ S
Molecular Weight:	541.23
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Patidegib, also known as Saridegib and IPI-926, is an orally bioavailable, cyclopamine-derived (for structure comparison see Fig 1) inhibitor of the Hedgehog (Hh) pathway with potential antineoplastic activity. Specifically, Hedgehog pathway inhibitor IPI-926 binds to and inhibits the cell membrane-spanning G-protein coupled receptor SMO, which may result in the suppression of Hh pathway signaling and a decrease in tumor cell proliferation and survival. SMO is activated upon binding of Hh ligand to the cell surface receptor Patched (PTCH); inappropriate activation of Hh signaling and uncontrolled cellular proliferation may be associated with SMO mutations.
Targets(IC50)	Others, Smo

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8476 mL	9.2382 mL	18.4764 mL
5 mM	0.3695 mL	1.8476 mL	3.6953 mL
10 mM	0.1848 mL	0.9238 mL	1.8476 mL
50 mM	0.037 mL	0.1848 mL	0.3695 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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