

Product Name	: Saridegib
Synonyms	: Patidegib; IPI-926
Cat No.	: M10185
CAS Number	: 1037210-93-7
Molecular Formula	: C ₂₉ H ₄₈ N ₂ O ₃ S
Formula Weight	: 504.77
Chemical Name	N-((2S,3R,3aS,3'R,4a'R,6S,6a'R,6b'S,7aR,12a'S,12b'S)-3,6,11',12b'-tetramethyl-2',3a,3',4,4',4a',5,5',6,6',6a',6b',7,7a,7',8',10',12',12a',12b'-icosahydro-1'H,3H-spiro[furo[3,2-b]pyridine-2,9'-naphtho[2,1-a]azulen]-3'-yl)methanesulfonamide
Description	Saridegib (Patidegib, IPI-926) is a potent and orally active Hedgehog (Hh) pathway antagonist with IC ₅₀ of 7 nM; binds to and inhibits the cell membrane-spanning G-protein coupled receptor SMO; demonstrates improved pharmaceutical properties and potency and a favorable pharmacokinetic profile relative to cyclopamine and IPI-269609; completely suppresses tumor growth in a Hh-dependent medulloblastoma allograft model. Pancreatic Cancer Phase 2 Clinical
Pathway	: Wnt/Notch/Hedgehog
Target	: Smoothened (Smo)
Receptor	: Smoothened (Smo)
Solubility	: —
SMILES	: <chem>CS(=O)(N[C@H](CC[C@@]12C)C[C@@]1([H])CC[C@]3([H])[C@]2([H])CC4=C(C)C[C@@](O5)(CC[C@@]34[H])[C@H](C)[C@@]6([H])[C@@]5([H])C[C@H](C)CN6)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Olive KP, et al. Science. 2009 Jun 12;324(5933):1457-61. | 2. Tremblay MR, et al. J Med Chem. 2009 Jul 23;52(14):4400-18. | 3. Lee MJ, et al. Proc Natl Acad Sci U S A. 2012 May 15;109(20):7859-64.