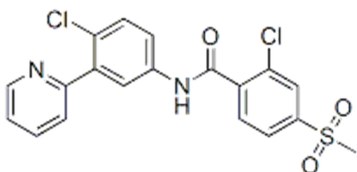


Product Sheet

GDC-0449, SMO antagonist

Catalog #	G449-005; G449-025; G449-100
Description	<p>GDC-0449 (Vismodegib) is potent antagonist of SMO (smoothened). This small molecule compound is a hedgehog pathway inhibitor by directly binding to SMO. This molecule has been developed by Genentech for clinical application against hedgehog-dependent cancers.</p> <p><i>Ref: Robarge KD, et al. Bioorg Med Chem Lett. Oct 1 2009 19: 5576-81; van Hoff DD, et al. N Engl J Med. Sep 17, 2009 361: 1164-72; Rudin CM et al. N Engl J Med. 2009 Sep 17; 361(12):1173-8.</i></p>
Formulation	Powder
Reconstitution	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
Stability	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
Purity	Greater than 99% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
Biological Activity	In a cell-based assay measuring the activation of the Gli-1 reporter gene, this compound gives IC50 of 5-20 nM.

Structural Info



MW: 421.3

Formula: C₁₉H₁₄Cl₂N₂O₃S

Solubility: Soluble in DMSO at 10 mM

CAS: 879085-55-9

For Research Use Only. Not for Use in Humans.