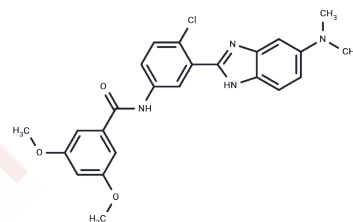


HhAntag

Chemical Properties

CAS No. :	496794-70-8
Formula:	C ₂₄ H ₂₃ ClN ₄ O ₃
Molecular Weight:	450.92
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	HhAntag is a small molecule inhibitor of GLI1-mediated transcription, an essential down-stream element of the Hedgehog (Hh) pathway with the anti-tumor activity.
Targets(IC50)	Hedgehog/Smoothed, Smo

Solubility Information

Solubility	DMSO: 55 mg/mL (121.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2177 mL	11.0884 mL	22.1769 mL
5 mM	0.4435 mL	2.2177 mL	4.4354 mL
10 mM	0.2218 mL	1.1088 mL	2.2177 mL
50 mM	0.0444 mL	0.2218 mL	0.4435 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.

Reference

- Actis, Marcelo; Connelly, Michele C.; Mayasundari, Anand et al. A structure-activity relationship study of small-molecule inhibitors of GLI1-mediated transcription. *Biopolymers* (2011), 95(1), 24-30.
- Li H, Ou J, Li Y, et al. ISX-9 potentiates CaMKII δ -mediated BMAL1 activation to enhance circadian amplitude. *Communications Biology*. 2022, 5(1): 1-13.
- Mahindroo, Neeraj; Connelly, Michele C.; Punchihewa, Chandanamali; et al. Amide conjugates of ketoprofen and indole as inhibitors of Gli1-mediated transcription in the Hedgehog pathway. *Bioorganic & Medicinal Chemistry* (2010), 18(13), 4801-4811.
- Yauch, Robert L.; Gould, Stephen E.; Scales, Suzie J.; et al. A paracrine requirement for hedgehog signalling in cancer. *Nature* (London, United Kingdom) (2008), 455(7211), 406-410.

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