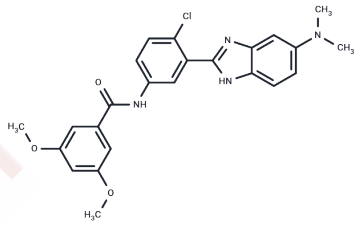
# Data Sheet (Cat.No.T3460)

TargetMol

## HhAntag

### Chemical Properties



CAS No. : 496794-70-8

Formula: C24H23ClN4O3

Molecular Weight: 450.92

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 | 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/Smoothened,Smo |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 55 mg/mL (121.97 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (5.54 mM),Sonication is recommended.<br>*Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.* |

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.

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.

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 CaMKIIδ-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.



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481