JK184

Catalog No.C12012 Batch:C1201203

Product Datasheet

Technical Data

Formula	$C_{19}H_{18}N_4OS$					
Molecular Weight	350.44	**CAS No.**	315703-52-7			
Solubility (25°C)*	In vitro	DMSO	70 mg/mL (199.74 mM)			
		Ethanol	14 mg/mL (39.94 mM)			
		Water	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Biological Activity

Description	JK184 inhibits **Gli** in the Hedgehog (Hh) pathway with IC50 of 30 nM in mammalian cells.
Targets	Gli [1]
In vitro	JK184 antagonizes Hh signaling by inhibiting Gli-dependent transcriptional activity in a dose dependent manner. This compound has a stronger inhibiting effects in mammalian cells with the IC50 of 30 nM compared with cyclopamine (IC50 = 250 nM)[1].
In vivo	JK184 has a poor pharmacokinetic profile and bioavailability, because the half-life and Cmax of this compound is lower compared with cyclopamine. Its micelles are a promising drug candidate for treating pancreatic tumors with high inhibitory effect on Hh activity[1].

References

https://pubmed.ncbi.nlm.nih.gov/25581613/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

EU Headquarters
Gajeva ulica 28, HR-10000 Zagreb, Croatia

US Headquarters
12222 Merit Dr STE 130 Dallas, Texas, 75251

UK Headquarters
121 ABILITY HOUSE, BROOKER ROAD, EN9 1JH, ESSEX

Orders: Sales@capsidbio.com
Enquiries: info@capsidbio.com
www.capsidbio.com