BAY-293

Catalog No.C13699 Batch:C1369903

Product Datasheet

Technical Data

Formula	$C_{25}H_{28}N_4O_2S$					
Molecular Weight	448.58	**CAS No.**	2244904-70-7			
Solubility (25°C)*	In vitro	DMSO	90 mg/mL (200.63 mM)			
		Ethanol	90 mg/mL (200.63 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

Concentration \ Volume \ Mass	1 mg	5 mg	10 mg
1 mM	2.2293 mL	11.1463 mL	22.2926 mL
5 mM	0.4459 mL	2.2293 mL	4.4585 mL
10 mM	0.2229 mL	1.1146 mL	2.2293 mL
50 mM	0.0446 mL	0.2229 mL	0.4459 mL

Biological Activity

Description	BAY-293 selectively inhibits the **KRAS-SOS1** interaction with an IC50 of 21 nM.
Targets	K-ras [1] 21 nM
In vitro	BAY-293 (compound 23) selectively inhibits the KRAS–SOS1 interaction with an IC50 of 21 nM.
In vivo	BAY-293, an inhibitor of SOS1/Ras, was found to depress proliferation and colony formation in chronic myeloid leukemia cells with resistance and BCR-ABL independence

References

https://pubmed.ncbi.nlm.nih.gov/30683722/ https://pubmed.ncbi.nlm.nih.gov/34938856/

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.

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