Product Datasheet

Technical Data

Formula	$C_7H_5BrN_2O_2S_2$					
Molecular Weight	293.16	**CAS No.**	902688-24-8			
Solubility (25°C)*	In vitro	DMSO	59 mg/mL (201.25 mM)			
		Ethanol	15 mg/mL (51.16 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	3.4111 mL	17.0555 mL	34.1111 mL
5 mM	0.6822 mL	3.4111 mL	6.8222 mL
10 mM	0.3411 mL	1.7056 mL	3.4111 mL
50 mM	0.0682 mL	0.3411 mL	0.6822 mL

Biological Activity

Description	QStatin is a potent and selective inhibitor of **SmcR (V. harveyi LuxR homologue)** with an EC50 of 208.9 nM, binding tightly to SmcR and changes the flexibility of the protein, thereby altering its transcription regulatory activity, which can be a sustainable antivibriosis agent useful in aquacultures.

References

https://pubmed.ncbi.nlm.nih.gov/29382732/

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