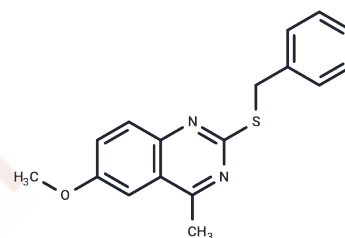


2-benzylsulfanyl-6-methoxy-4-methylquinazoline

Chemical Properties

CAS No. :	500272-00-4
Formula:	C ₁₇ H ₁₆ N ₂ O ₂ S
Molecular Weight:	296.39
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	2-benzylsulfanyl-6-methoxy-4-methylquinazoline can be used as a TRPML modulator for the treatment of diseases associated with TRPML activity, such as lysosomal storage disease, muscular dystrophy, oxidative stress or reactive oxygen species (ROS)-related diseases and ageing.
Targets(IC50)	ROS

Solubility Information

Solubility	DMSO: 12 mg/mL (40.49 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	3.3739 mL	16.8697 mL	33.7393 mL
5 mM	0.6748 mL	3.3739 mL	6.7479 mL
10 mM	0.3374 mL	1.687 mL	3.3739 mL
50 mM	0.0675 mL	0.3374 mL	0.6748 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

Luan F, et al. TOPS-MODE model of multiplexing neuroprotective effects of drugs and experimental-theoretic study of new 1,3-rasagiline derivatives potentially useful in neurodegenerative diseases. *Bioorg Med Chem.* 2013 ; 21 (7):1870-1879.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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