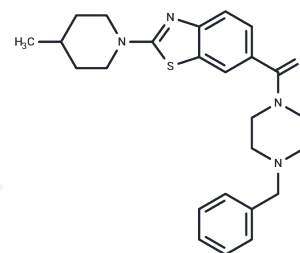


Benzyl-piperazine-CO-benzothiazole-4-methylpiperidine

Chemical Properties

CAS No. :	906258-48-8
Formula:	C ₂₅ H ₃₀ N ₄ O ₅
Molecular Weight:	434.6
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	Benzyl-piperazine-CO-benzothiazole-4-methylpiperidine can be used to alter the lifespan of eukaryotic cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 90 mg/mL (207.09 mM),Sonication is recommended. DMSO: 45 mg/mL (103.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.6 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.301 mL	11.5048 mL	23.0097 mL
5 mM	0.4602 mL	2.301 mL	4.6019 mL
10 mM	0.2301 mL	1.1505 mL	2.301 mL
50 mM	0.046 mL	0.2301 mL	0.4602 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

David Scott Goldfarb, et al. Method For Altering The Lifespan Of Eukaryotic Organisms. US20090163545A1.

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