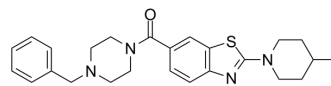


Benzyl-piperazine-CO-benzothiazole-4-methylpiperidine

Cat. No.:	HY-145755		
CAS No.:	906258-48-8		
Molecular Formula:	C ₂₅ H ₃₀ N ₄ OS		
Molecular Weight:	434.6		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMF : 100 mg/mL (230.10 mM; Need ultrasonic)
 DMSO : 50 mg/mL (115.05 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3010 mL	11.5048 mL	23.0097 mL
	5 mM	0.4602 mL	2.3010 mL	4.6019 mL
	10 mM	0.2301 mL	1.1505 mL	2.3010 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (5.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (5.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (5.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Benzyl-piperazine-CO-benzothiazole-4-methylpiperidine alters the lifespan of a eukaryotic organism^[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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