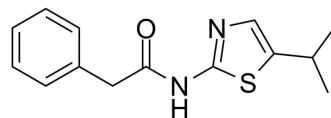


BML-259

Cat. No.:	HY-108348		
CAS No.:	267654-00-2		
Molecular Formula:	C ₁₄ H ₁₆ N ₂ OS		
Molecular Weight:	260.35		
Target:	CDK		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (480.12 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8410 mL	19.2049 mL	38.4098 mL
	5 mM	0.7682 mL	3.8410 mL	7.6820 mL
	10 mM	0.3841 mL	1.9205 mL	3.8410 mL

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

BIOLOGICAL ACTIVITY

Description

BML-259 is a potent cyclin-dependent kinase 5 (Cdk5) inhibitor, with IC₅₀s of 64 and 98 nM for Cdk5 and Cdk2, respectively^[1].

In Vitro

BML-259 (10 μM) protects large population of cells against non-Aβ component of Alzheimer's disease amyloid (NAC)-evoked cell death^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kaźmierczak A, et al. A novel mechanism of non-Aβ component of Alzheimer's disease amyloid (NAC) neurotoxicity. Interplay between p53 protein and cyclin-dependent kinase 5 (Cdk5). *Neurochem Int.* 2011;58(2):206-214.

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

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