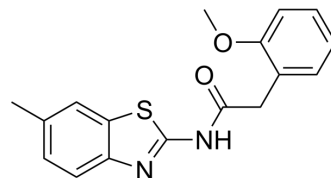


Casein kinase 1δ-IN-3

Cat. No.:	HY-148455		
CAS No.:	349438-77-3		
Molecular Formula:	C ₁₇ H ₁₆ N ₂ O ₂ S		
Molecular Weight:	312.39		
Target:	Casein Kinase		
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt		
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 : 62.5 mg/mL (200.07 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2011 mL	16.0056 mL	32.0113 mL
	5 mM	0.6402 mL	3.2011 mL	6.4023 mL
	10 mM	0.3201 mL	1.6006 mL	3.2011 mL

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

BIOLOGICAL ACTIVITY

Description

Casein kinase 1δ-IN-3 (Compound 23a) is a casein kinase 1 delta (CK1d) inhibitor with a pIC₅₀ of 6.5376 M^[1].

IC₅₀ & Target

CKIδ
6.5376 M (pIC₅₀)

REFERENCES

[1]. Makhuri FR, et al. Computer-aided scaffold hopping to identify a novel series of casein kinase 1 delta (CK1d) inhibitors for amyotrophic lateral sclerosis. Eur J Pharm Sci. 2015 Oct 12;78:151-62.

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

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