



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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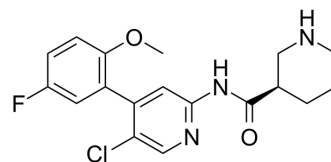
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CDK-IN-2

Cat. No.:	HY-13033
CAS No.:	1269815-17-9
Molecular Formula:	C ₁₈ H ₁₉ ClFN ₃ O ₂
Molecular Weight:	363.81
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (274.87 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.7487 mL	13.7434 mL	27.4869 mL
	5 mM		0.5497 mL	2.7487 mL	5.4974 mL
	10 mM		0.2749 mL	1.3743 mL	2.7487 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: ≥ 3.25 mg/mL (8.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3.25 mg/mL (8.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.25 mg/mL (8.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

CDK-IN-2 is a potent and specific CDK9 inhibitor with IC₅₀ of <8 nM, extracted from reference 1, example 4. IC₅₀ Value: <8 nM
 [1]Target: CDK9In vitro:In vivo:

IC₅₀ & Target

CDK9/cyclinT1
 8 nM (IC₅₀)

CUSTOMER VALIDATION

- Cell Mol Life Sci. 2022 Aug 5;79(8):467.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Keith B Pfister, et al. Heteroaryl compounds as kinase inhibitors. 2011, WO2011026917A1.

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

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