



SZABO SCANDIC

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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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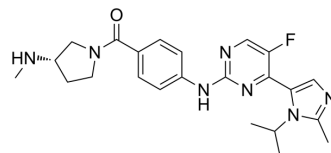
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AZD5597

Cat. No.:	HY-50914
CAS No.:	924641-59-8
Molecular Formula:	C ₂₃ H ₂₈ FN ₇ O
Molecular Weight:	437.51
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (228.57 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.2857 mL	11.4283 mL	22.8566 mL
		5 mM	0.4571 mL	2.2857 mL	4.5713 mL
	10 mM	0.2286 mL	1.1428 mL	2.2857 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.71 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.71 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.71 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	AZD5597 is an inhibitor of CDK with an IC ₅₀ of 2 nM. AZD5597 has potent anti-proliferative effects against a range of cancer cell lines ^[1] .
IC ₅₀ & Target	IC50: 2 nM (CDK2), 2 nM (CDK1), 39 nM (LoVo) ^[1]

REFERENCES

[1]. Jones CD, et al. The discovery of AZD5597, a potent imidazole pyrimidine amide CDK inhibitor suitable for intravenous dosing. *Bioorg Med Chem Lett.* 2008 Dec 15;18(24):6369-73.

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

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