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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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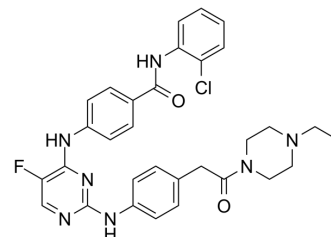
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TCS7010

Cat. No.:	HY-70061
CAS No.:	1158838-45-9
Molecular Formula:	C ₃₁ H ₃₁ ClFN ₇ O ₂
Molecular Weight:	588.08
Target:	Aurora Kinase; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
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 : 50 mg/mL (85.02 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg	
			1 mM	1.7004 mL	8.5022 mL	17.0045 mL
			5 mM	0.3401 mL	1.7004 mL	3.4009 mL
			10 mM	0.1700 mL	0.8502 mL	1.7004 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.25 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	TCS7010 is a potent and highly selective Aurora A inhibitor with with an IC ₅₀ of 3.4 nM.	
IC ₅₀ & Target	Aurora A 3.4 nM (IC ₅₀)	Aurora B 3.4 μM (IC ₅₀)
In Vitro	TCS7010 is exceptionally selective Aurora A inhibitors. TCS7010 is an useful tool compounds for investigating the cellular role of Aurora A kinases without the complication of also inhibiting Aurora B ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

CUSTOMER VALIDATION

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- J Biomol Screen. 2013 Oct;18(9):1062-71.
 - Harvard Medical School LINCS LIBRARY

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Aliagas-Martin I, Burdick D, Corson L, Dotson J, Drummond J, Fields C, Huang OW, Hunsaker T, Kleinheinz T, Krueger E, Liang J, Moffat J, Phillips G, Pulk R, Rawson TE, Ultsch M, Walker L, Wiesmann C, Zhang B, Zhu BY, Cochran AG. A class of 2,4-bisanilinopy

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

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