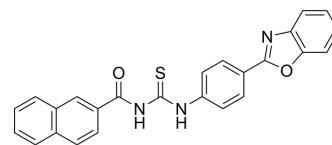


PDS-0330

Cat. No.:	HY-153833		
CAS No.:	2904682-19-3		
Molecular Formula:	C ₂₅ H ₁₇ N ₃ O ₂ S		
Molecular Weight:	423.49		
Target:	Others		
Pathway:	Others		
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 : 4 mg/mL (9.45 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		2.3613 mL	11.8067 mL	23.6133 mL
5 mM		0.4723 mL	2.3613 mL	4.7227 mL
10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description	PDS-0330 is a specific and potent Claudin-1 inhibitor. PDS-0330 interferes with claudin-1/Src association and inhibits colorectal cancer (CRC) progression and metastasis ^[1] .
IC ₅₀ & Target	Claudin-1 ^[1]

REFERENCES

[1]. Fatima I, et al. Identification and characterization of a first-generation inhibitor of claudin-1 in colon cancer progression and metastasis. Biomed Pharmacother. 2023 Mar;159:114255.

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

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