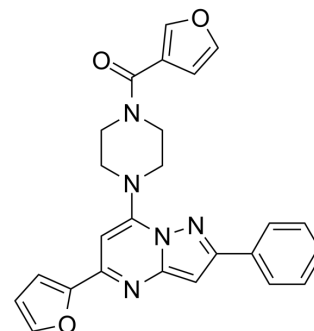


ML230

Cat. No.:	HY-111678		
CAS No.:	1776055-05-0		
Molecular Formula:	C ₂₅ H ₂₁ N ₅ O ₃		
Molecular Weight:	439.47		
Target:	BCRP		
Pathway:	Membrane Transporter/Ion Channel		
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 : 33.33 mg/mL (75.84 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2755 mL	11.3773 mL	22.7547 mL
		5 mM	0.4551 mL	2.2755 mL	4.5509 mL
10 mM		0.2275 mL	1.1377 mL	2.2755 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 (5.69 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ML230 (CID44640177; SID 88095709) is a selective inhibitor of ATP-binding cassette (ABC) transporter ABCG2, and 36-fold selective for ABCG2 over ABCB1 with EC ₅₀ s values of 0.13 μM and 4.65 μM, respectively ^[1] .
IC₅₀ & Target	EC50: ABCG2 (0.13 μM) ^[1]

REFERENCES

[1]. Strouse JJ, et al. Selective Efflux Inhibition of ATP-binding Cassette Sub-family G Member 2. Probe Reports from the NIH Molecular Libraries Program. November 30, 2010.

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

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