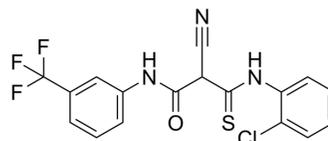


DP00477

Cat. No.:	HY-148383		
CAS No.:	169120-56-3		
Molecular Formula:	C ₁₇ H ₁₁ ClF ₃ N ₃ OS		
Molecular Weight:	397.8		
Target:	Indoleamine 2,3-Dioxygenase (IDO)		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (251.38 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5138 mL	12.5691 mL	25.1383 mL
5 mM	0.5028 mL	2.5138 mL	5.0277 mL
10 mM	0.2514 mL	1.2569 mL	2.5138 mL

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

BIOLOGICAL ACTIVITY

Description	DP00477 is a potent IDO1 (indoleamine 2,3-dioxygenase 1) inhibitor with an IC ₅₀ value of 7.0 μM. DP00477 has the potential for the research of cancer ^[1] .
IC ₅₀ & Target	IDO1 7.0 μM (IC ₅₀)
In Vitro	DP00477 inhibits IDO1 activity with IC ₅₀ s of 71, 6.3 μM when 5 mM GSH or 0.01% Triton-X is added, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Röhrig UF, et al. Detailed analysis and follow-up studies of a high-throughput screening for indoleamine 2,3-dioxygenase 1 (IDO1) inhibitors. Eur J Med Chem. 2014 Sep 12;84:284-301.

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

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