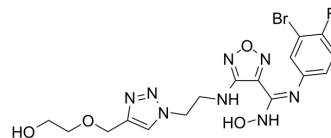


IDO1/2-IN-1

Cat. No.:	HY-145280		
CAS No.:	2310286-45-2		
Molecular Formula:	C ₁₆ H ₁₈ BrFN ₈ O ₄		
Molecular Weight:	485.27		
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 (206.07 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0607 mL	10.3035 mL	20.6071 mL
5 mM	0.4121 mL	2.0607 mL	4.1214 mL
10 mM	0.2061 mL	1.0304 mL	2.0607 mL

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

BIOLOGICAL ACTIVITY

Description

IDO1/2-IN-1 (compound 4t) is the first potent IDO1/IDO2 dual inhibitor with IC₅₀s of 28 nM and 144 nM for IDO1 and IDO2, respectively. IDO1/2-IN-1 exhibits antitumor activities. Orally active^[1].

IC₅₀ & Target

IDO1	IDO2
28 nM (IC ₅₀)	144 nM (IC ₅₀)

REFERENCES

[1]. He X, et al. Discovery of the First Potent IDO1/IDO2 Dual Inhibitors: A Promising Strategy for Cancer Immunotherapy. J Med Chem. 2021;64(24):17950-17968.

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

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