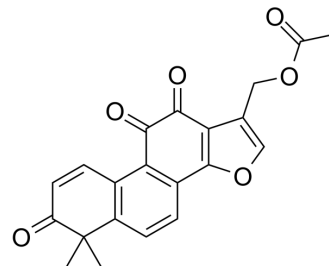


IDO1/TDO-IN-1

Cat. No.:	HY-144778
CAS No.:	2379527-72-5
Molecular Formula:	C ₂₁ H ₁₆ O ₆
Molecular Weight:	364.35
Target:	Indoleamine 2,3-Dioxygenase (IDO); Apoptosis; Bcl-2 Family
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IDO1/TDO-IN-1 (30) is a potent dual IDO1 (uncompetitive, K _i of 0.23 μM) and TDO (competitive, K _i of 0.73 μM) inhibitor. IDO1/TDO-IN-1 (30) significantly promotes cell apoptosis through the potential mitochondria-mediated Bcl-2/Bax pathway [1].	
IC₅₀ & Target	IDO1 0.23 μM (K _i)	TDO 0.73 μM (K _i)

REFERENCES

[1]. Jiangxin Liu, et al. Discovery and biological evaluation of tanshinone derivatives as potent dual inhibitors of indoleamine 2, 3-dioxygenase 1 and tryptophan 2, 3-dioxygenase. Eur J Med Chem. 2022 May 5;235:114294.

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

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