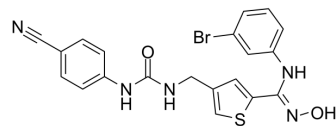


IDO1-IN-13

Cat. No.:	HY-144273
Molecular Formula:	C ₂₀ H ₁₆ BrN ₅ O ₂ S
Molecular Weight:	470.34
Target:	Indoleamine 2,3-Dioxygenase (IDO)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IDO1-IN-13 (compound 27a) is a potent IDO1 inhibitor with an IC ₅₀ of 61.6 nM. IDO1-IN-13 has cellular IDO1 inhibition (HeLa EC ₅₀ = 30 nM). IDO1-IN-13 decreases 51% of the kyn/trp ratio in SK-OV-3 xenograft tumor tissues ^[1] .
IC ₅₀ & Target	IDO1 30 nM (IC ₅₀)

REFERENCES

[1]. Yeh TK, et al. Discovery and development of a novel N-(3-bromophenyl)-[[(phenylcarbamoyl)amino]methyl]-N-hydroxythiophene-2-carboximidamide indoleamine 2,3-dioxygenase inhibitor using knowledge-based drug design. *Eur J Med Chem.* 2022;229:114043.

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

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