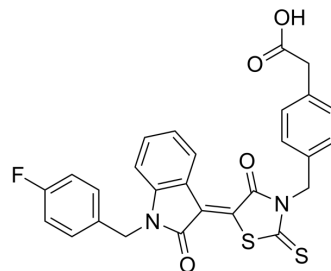


AANAT-IN-1

Cat. No.:	HY-157521
Molecular Formula:	C ₂₇ H ₁₉ FN ₂ O ₄ S ₂
Molecular Weight:	518.58
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AANAT-IN-1 (compound 30) is a potent inhibitor (IC ₅₀ : 10μM) of aralkylamine N-acetyltransferase (AANAT). AANAT is responsible for the synthesis of melatonin, which is involved in disorders such as seasonal affective disorder (SAD) in which melatonin levels are abnormally high ^[1] .
IC ₅₀ & Target	10μM (Aralkylamine N-acetyltransferase, AANAT) ^[1]

REFERENCES

[1]. Hagemester M, et al. Evaluation of Rhodanine Indolinones as AANAT Inhibitors. ChemMedChem. 2024 Jan 2;19(1):e202300567.

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

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