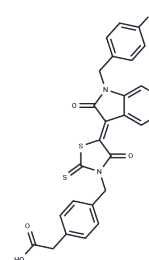


AANAT-IN-1

Chemical Properties

CAS No. :	3055162-52-9
Formula:	C27H19FN2O4S2
Molecular Weight:	518.58
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	AANAT-IN-1 (compound 30) is an effective inhibitor of arylalkylamine N-acetyltransferase (AANAT) with an IC ₅₀ value of 10µM. AANAT plays a role in melatonin synthesis and is linked to disorders characterized by abnormally high melatonin levels, such as seasonal affective disorder (SAD).
Targets(IC ₅₀)	Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9283 mL	9.6417 mL	19.2834 mL
5 mM	0.3857 mL	1.9283 mL	3.8567 mL
10 mM	0.1928 mL	0.9642 mL	1.9283 mL
50 mM	0.0386 mL	0.1928 mL	0.3857 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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