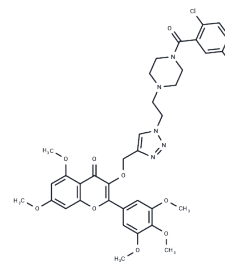


8A8

Chemical Properties

CAS No. : 2766594-12-9
 Formula: C₃₆H₃₇BrClN₅O₉
 Molecular Weight: 799.06
 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	8A8 is a potent NO inhibitor with proinflammatory factor properties, exhibiting an IC ₅₀ of 4.7 μM. Additionally, it significantly inhibits LPS-induced proliferation in HaCat cells [1].
Targets(IC ₅₀)	NO Synthase
In vitro	Compound 8A8, at a low concentration (2.5 μM; RAW 264.7 cells), markedly reduced IL-6 and TNF-α levels, achieving half the concentration of these cytokines compared to post-LPS treatment at 5 μM. Furthermore, the levels of IL-6 and TNF-α in cell supernatants were reduced to a quarter following treatment with a high concentration of compound 8A8 (10 μM) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2515 mL	6.2574 mL	12.5147 mL
5 mM	0.2503 mL	1.2515 mL	2.5029 mL
10 mM	0.1251 mL	0.6257 mL	1.2515 mL
50 mM	0.025 mL	0.1251 mL	0.2503 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481