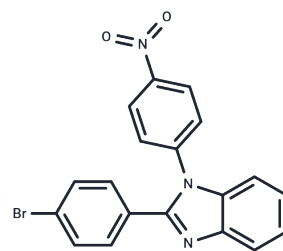


COX-2-IN-16

Chemical Properties

CAS No. :	1610894-92-2
Formula:	C ₁₉ H ₁₂ BrN ₃ O ₂
Molecular Weight:	394.22
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	COX-2-IN-16 (compound 2b) is a potent, selective, and orally active inhibitor of cyclooxygenase-2 (COX-2) with an IC ₅₀ value of 102 μM, effectively reducing nitric oxide (NO) production and demonstrating anti-inflammatory activity [1].
Targets(IC ₅₀)	Others,COX
In vivo	Administering COX-2-IN-16 (compound 2b) at 100 mg/kg orally results in a significant 42% reduction in edema formation in a rat paw edema model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5367 mL	12.6833 mL	25.3665 mL
5 mM	0.5073 mL	2.5367 mL	5.0733 mL
10 mM	0.2537 mL	1.2683 mL	2.5367 mL
50 mM	0.0507 mL	0.2537 mL	0.5073 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481