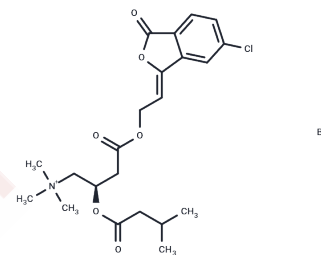


ST-899

Chemical Properties

CAS No. : 143484-41-7
 Formula: C₂₂H₂₉BrClNO₆
 Molecular Weight: 518.83
 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	ST-899 is an innovative platelet-activating factor (PAF) receptor antagonist. It significantly reduces the mortality rate in mice experiencing shock induced by endotoxins (LPS). The compound markedly inhibits the LPS-induced increase in serum tumor necrosis factor (TNF) levels while leaving interleukin-6 (IL-6) unaffected. The mechanism by which ST-899 operates involves disrupting the positive feedback loop between PAF and TNF, thereby mitigating inflammatory responses. ST-899 is applicable for studies related to inflammatory diseases such as septic shock.
Targets(IC50)	PAFR,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9274 mL	9.6371 mL	19.2741 mL
5 mM	0.3855 mL	1.9274 mL	3.8548 mL
10 mM	0.1927 mL	0.9637 mL	1.9274 mL
50 mM	0.0385 mL	0.1927 mL	0.3855 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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