

FGA139

## Chemical Properties

CAS No. :

Formula: C48H58BF2N7O5

Molecular Weight:

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	FGA139 is an inhibitor of cysteine proteases, specifically targeting cathepsin B and L with IC50 values of 4.98 $\mu$ M and 3.14 $\mu$ M, respectively. It reduces the production of NO in LPS-induced RAW264.7 cells and lowers TNF $\alpha$ levels in microglia, demonstrating antioxidant and anti-inflammatory properties. Additionally, FGA139 enhances the secretion of neuroprotective metabolites such as purines and linoleic acid in LPS-stimulated microglia. This compound is applicable in the study of neuroinflammatory diseases.
Targets(IC50)	NO Synthase,Cysteine Protease,TNF

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