

## Mambalgin 1 TFA

## Chemical Properties

CAS No. :

Formula: C312H482F3N87O102S8

Molecular Weight: 7397.24

Keep away from moisture

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	Mambalgin 1 TFA, a selective inhibitor of ASIC1a (with IC50 values of 192 nM for human ASIC1a and 72 nM for the ASIC1a/1b dimer), preferentially binds to the channel in its closed/inactive state. It demonstrates selectivity for ASIC1a over a range of other channels, including ASIC2a, ASIC3, TRPV1, P2X2, 5-HT3, Nav1.8, Cav3.2, and Kv1.2. In vivo, Mambalgin 1 TFA effectively prolongs the latency of the withdrawal response in mouse tail-flick and paw-flick tests.
Targets(IC50)	Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1352 mL	0.6759 mL	1.3519 mL
5 mM	0.027 mL	0.1352 mL	0.2704 mL
10 mM	0.0135 mL	0.0676 mL	0.1352 mL
50 mM	0.0027 mL	0.0135 mL	0.027 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