

ARN 14494

## Chemical Properties

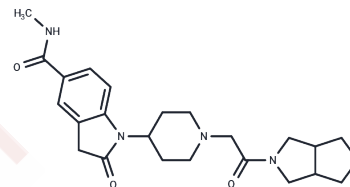
CAS No. : 1037837-27-6

Formula: C<sub>24</sub>H<sub>32</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 424.54

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	ARN 14494 is a potent serine palmitoyltransferase inhibitor (SPT; IC <sub>50</sub> = 27.3 nM). ARN 14494 inhibits synthesis of long chain ceramides and dihydroceramides in an in vitro model of Alzheimer's disease. The compound prevents the synthesis of proinflammatory cytokines and the oxidative stress-related enzymes iNOS and COX-2 in mouse primary cortical astrocytes. ARN 14494 is neuroprotective against β-amyloid 1-42 induced neurotoxicity in primary cortical neurons co-cultured with astrocytes.
Targets(IC <sub>50</sub> )	Apoptosis,Others,NO Synthase,COX,Interleukin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3555 mL	11.7775 mL	23.5549 mL
5 mM	0.4711 mL	2.3555 mL	4.711 mL
10 mM	0.2355 mL	1.1777 mL	2.3555 mL
50 mM	0.0471 mL	0.2355 mL	0.4711 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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