

## TSPO Ligand-Linker Conjugates 1

## Chemical Properties

CAS No. :

Formula: C32H55N3O10S

Molecular Weight: 673.86

Keep away from direct sunlight

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	TSPO Ligand-Linker Conjugates 1, comprising a translocator protein (TSPO) ligand and a linker, is instrumental in synthesizing mitochondria-targeting autophagy-targeting chimera (AUTAC). This compound binds TSPO on the outer mitochondrial membrane (OMM), facilitating the degradation of malfunctioning mitochondria and proteins through mitophagy, thereby enhancing mitochondrial function. It holds potential applications in research related to mitochondrial dysfunction, encompassing neurodegenerative diseases, cancer, and diabetes [1].
Targets(IC50)	Mitophagy,Others,AUTACs

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.484 mL	7.4199 mL	14.8399 mL
5 mM	0.2968 mL	1.484 mL	2.968 mL
10 mM	0.1484 mL	0.742 mL	1.484 mL
50 mM	0.0297 mL	0.1484 mL	0.2968 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.

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