

## [Tyr3]Octreotate

## Chemical Properties

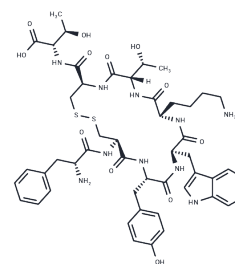
CAS No. : 302794-43-0

Formula: C<sub>49</sub>H<sub>64</sub>N<sub>10</sub>O<sub>12</sub>S<sub>2</sub>

Molecular Weight: 1049.22

Storage: Store at low temperature, Keep away from moisture  
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	[Tyr3]Octreotate is a long peptide compound containing 8 amino acids and is a functional DOTA chelating agent with covalent bonds. [Tyr3]Octreotate binds to transmembrane receptors of SSR2-active NETs and is actively transported into cells by endocytosis, which may increase the required double-stranded DNA breaks and is a potential drug for tumor treatment.
Targets(IC50)	Others,Somatostatin

## Solubility Information

Solubility	DMSO: 100 mg/mL (95.31 mM),Sonication is recommended. H2O: 100 mg/mL (95.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9531 mL	4.7654 mL	9.5309 mL
5 mM	0.1906 mL	0.9531 mL	1.9062 mL
10 mM	0.0953 mL	0.4765 mL	0.9531 mL
50 mM	0.0191 mL	0.0953 mL	0.1906 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.

Reference

Paterson B M, et al. PET imaging of tumours with a  $^{64}\text{Cu}$  labeled macrobicyclic cage amine ligand tethered to Tyr 3-octreotate. Dalton Transactions, 2014, 43(3): 1386-1396.

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