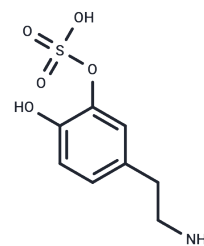


## Dopamine 3-O-sulfate

## Chemical Properties

CAS No. :	51317-41-0
Formula:	C <sub>8</sub> H <sub>11</sub> NO <sub>5</sub> S
Molecular Weight:	233.24
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Dopamine 3-O-sulfate is a sulphonated metabolite of dopamine primarily present in plasma. Dopamine 3-O-sulfate also represents the final metabolic product of L-dopa in Parkinson's patients.
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2874 mL	21.4371 mL	42.8743 mL
5 mM	0.8575 mL	4.2874 mL	8.5749 mL
10 mM	0.4287 mL	2.1437 mL	4.2874 mL
50 mM	0.0857 mL	0.4287 mL	0.8575 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

Kirk L Pappan, et al. Clinical Metabolomics to Segregate Aromatic Amino Acid Decarboxylase Deficiency From Drug-Induced Metabolite Elevations. *Pediatr Neurol.* 2017 Oct;75:66-72.

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