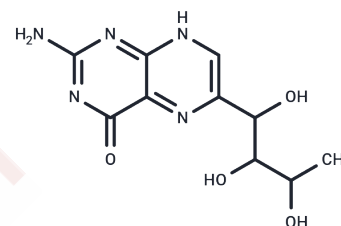


## 6-(L-1,2,3-Trihydroxybutyl)-pterin

### Chemical Properties

CAS No. :	13392-24-0
Formula:	C10H13N5O4
Molecular Weight:	267.24
Storage:	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	6-(L-1,2,3-Trihydroxybutyl)-pterin is a derivative of L-biopterin and represents an oxidized form of tetrahydro-L-biopterin (BH4) as well as D-biopterin. Concurrent administration of 6-(L-1,2,3-Trihydroxybutyl)-pterin (0.5%) with the carcinogen 4-dimethylaminoazobenzene can reduce the incidence of liver tumors in rats induced by 4-dimethylaminoazobenzene. Furthermore, 6-(L-1,2,3-Trihydroxybutyl)-pterin has been utilized as an internal standard for quantifying biopterin and neopterin in rat plasma using LC-MS.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.742 mL	18.7098 mL	37.4195 mL
5 mM	0.7484 mL	3.742 mL	7.4839 mL
10 mM	0.3742 mL	1.871 mL	3.742 mL
50 mM	0.0748 mL	0.3742 mL	0.7484 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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