

## TCEP-biotin

## Chemical Properties

CAS No. : 2227020-26-8

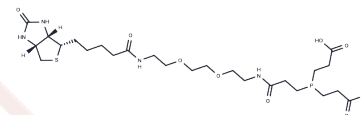
Formula: C<sub>25</sub>H<sub>43</sub>N<sub>4</sub>O<sub>9</sub>PS

Molecular Weight: 606.67

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TCEP-biotin is a biotinylated form of TCEP, serving as an affinity probe for lysine crotonylation in proteins. TCEP functions as a thiol reducing agent, quantitatively cleaving simple organic disulphides into thiols in aqueous solutions.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 16 mg/mL (26.37 mM),Sonication is recommended. Ethanol: 16 mg/mL (26.37 mM),Sonication is recommended. DMF: 15 mg/mL (24.73 mM),Sonication is recommended. PBS (pH 7.2): 0.1 mg/mL (0.16 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	1.6483 mL	8.2417 mL	16.4834 mL
5 mM	0.3297 mL	1.6483 mL	3.2967 mL
10 mM	0.1648 mL	0.8242 mL	1.6483 mL
50 mM	0.033 mL	0.1648 mL	0.3297 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

Liao P, et al. Cronylation at serine 46 impairs p53 activity[J]. Biochemical and biophysical research communications, 2020, 524(3): 730-735.

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