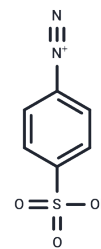


## Diazobenzenesulfonic acid

## Chemical Properties

CAS No. :	2154-66-7
Formula:	C <sub>6</sub> H <sub>5</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	185.18
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	Diazobenzenesulfonic acid (a component of Pauly's reagent) is a classical chemical modification probe for proteins. It specifically labels surface-exposed histidine and tyrosine residues via diazotization, widely utilized for probing protein tertiary structure accessibility and analyzing enzyme active site conformations.
Targets(IC50)	Others
In vitro	Diazobenzenesulfonic acid is used for chemical modification of tyrosine residues in Ribonuclease T1 to identify functional domains [3].
In vivo	Diazobenzenesulfonic acid determines the natural bonding states of bilirubin via the Van den Bergh reaction for liver function evaluation [1][4].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4002 mL	27.0008 mL	54.0015 mL
5 mM	1.080 mL	5.4002 mL	10.8003 mL
10 mM	0.540 mL	2.7001 mL	5.4002 mL
50 mM	0.108 mL	0.540 mL	1.080 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

Bortolotto V, et al. Proneurogenic Effects of Trazodone in Murine and Human Neural Progenitor Cells. ACS Chem Neurosci. 2017 Sep 20;8(9):2027-2038.

Maksay G, Ticku MK. Characterization of gamma-aminobutyric acid-benzodiazepine receptor complexes by protection against inactivation by group-specific reagents. J Neurochem. 1984 Jun;42(6):1715-27. PubMed PMID: 6327911.

Kasai H, Takahashi K, Ando T. Chemical modification of tyrosine residues in ribonuclease T1 with N-acetylimidazole and p-diazobenzenesulfonic acid. J Biochem. 1977 Jun;81(6):1751-8. PubMed PMID: 408339.

STEINITZ K. [A simplified determination of serum bilirubin with diazobenzenesulfonic acid]. Harefuah. 1952 Jul 15; 43(1-2):13. Undetermined Language. PubMed PMID: 13021645.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481