

## Diethanolamine hydrochloride

## Chemical Properties

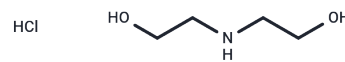
CAS No. : 14426-21-2

Formula: C<sub>4</sub>H<sub>12</sub>ClNO<sub>2</sub>

Molecular Weight: 141.6

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Diethanolamine hydrochloride has a variety of biological activities and is an inhibitor of HSD17B4 (hydroxysteroid 17-beta dehydrogenase 4) and pregnane X receptor (PXR), as well as an agonist of p53 and an antagonist of Estrogen receptor.
Targets(IC50)	Estrogen Receptor/ERR,Others,Dehydrogenase,p53

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0621 mL	35.3107 mL	70.6215 mL
5 mM	1.4124 mL	7.0621 mL	14.1243 mL
10 mM	0.7062 mL	3.5311 mL	7.0621 mL
50 mM	0.1412 mL	0.7062 mL	1.4124 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

Tucker BS, Hernandez-Moreno G, Hwang PTJ, Jun HW, Thomas V. Influence of Alkanolamine Plasmas on Poly (Ethylene Terephthalate) Fibro-Porous Biomaterial Constructs. Chem Asian J. 2024 Dec 2;19(23):e202400796.  
Gerson KD, Loder A, Landau Z, Anton L. Xenobiotic metabolites modify immune responses of the cervicovaginal epithelium: potential mechanisms underlying barrier disruption. BJOG. 2024 Apr;131(5):665-674.

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