

4-Diethylamino-2-butyn-1-ol

Chemical Properties

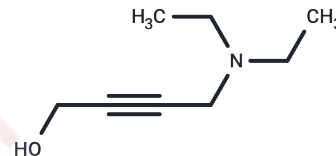
CAS No. : 10575-25-4

Formula: C₈H₁₅NO

Molecular Weight: 141.21

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	4-Diethylamino-2-butyn-1-ol is used as pharmaceutical intermediates.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (389.49 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	7.0817 mL	35.4083 mL	70.8165 mL
5 mM	1.4163 mL	7.0817 mL	14.1633 mL
10 mM	0.7082 mL	3.5408 mL	7.0817 mL
50 mM	0.1416 mL	0.7082 mL	1.4163 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

- Zorbist, R., Schmid, B., Feick, A., Quan, D., & Sanders, S. (2001). Pharmacokinetics of the R- and S-enantiomers of oxybutynin and N-desethyloxybutynin following oral and transdermal administration of the racemate in healthy volunteers. *Send To Pharm Res.*, 18(1), 1029-34.
- Chancellor, M. (2001). A comparison of the effects of saliva output of oxybutynin chloride and tolterodine tartrate. *Clinical Therapeutics*, 23(5), 753-760. doi: 10.12016/s20149-2918(01)820024-2
- Hughes, K., Lang, J., Lazare, R., Gordon, D., Stanton, S., Malone-Lee, J., & Geraint, M. (1992). Measurement of oxybutynin and its N-desethyl metabolite in plasma, and its application to pharmacokinetic studies in young, elderly and frail elderly volunteers. *Xenobiotica*, 22(7), 859-869. doi: 10.3109/200498259209053145

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