

AC-42

Chemical Properties

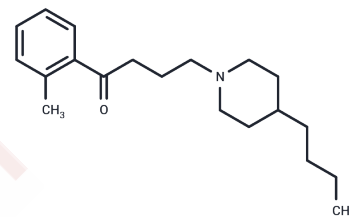
CAS No. : 244291-63-2

Formula: C₂₀H₃₁NO

Molecular Weight: 301.47

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AC-42 is an allosteric agonist of M1 muscarinic receptor.
Targets(IC50)	Others,AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3171 mL	16.5854 mL	33.1708 mL
5 mM	0.6634 mL	3.3171 mL	6.6342 mL
10 mM	0.3317 mL	1.6585 mL	3.3171 mL
50 mM	0.0663 mL	0.3317 mL	0.6634 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

Stoehlmacher J, Goekkurt E, Hoeffken G, Zinsky R, Lynch F, Buettner H, Scheil-Bertram S, Schirren J, Ehninger G, Fisseler-Eckhoff A. Thymidylate synthase polymorphisms and immunohistochemistry in non-small cell lung cancer. *J Clin Oncol*. 2009 May 20;27(15_suppl):11101. PubMed PMID: 27963465.

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Arslan B, Bozkurt IH, Yonguc T, Vardar E, Degirmenci T, Kozacioglu Z, Gunlusoy B, Minareci S. Clinical features and outcomes of nontransitional cell carcinomas of the urinary bladder: Analysis of 125 cases. *Urol Ann*. 2015 Apr-Jun; 7(2):177-82. doi: 10.4103/0974-7796.150533. PubMed PMID: 25838209; PubMed Central PMCID: PMC4374255.

Nickols HH, Conn PJ. Development of allosteric modulators of GPCRs for treatment of CNS disorders. *Neurobiol Dis*. 2014 Jan;61:55-71. doi: 10.1016/j.nbd.2013.09.013. Review. PubMed PMID: 24076101; PubMed Central PMCID: PMC3875303.

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