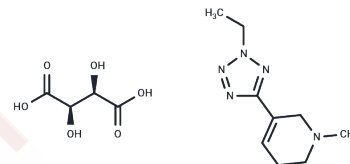


Alvameline Tartrate

Chemical Properties

CAS No. :	159792-14-0
Formula:	C ₁₃ H ₂₁ N ₅ O ₆
Molecular Weight:	343.34
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	Alvameline Tartrate, a muscarinic M1 receptor agonist and M2/M3 receptor antagonist, is used potentially for treatment of urinary incontinence.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9126 mL	14.5628 mL	29.1256 mL
5 mM	0.5825 mL	2.9126 mL	5.8251 mL
10 mM	0.2913 mL	1.4563 mL	2.9126 mL
50 mM	0.0583 mL	0.2913 mL	0.5825 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

- Waldeck K, Larsson B, Sandberg B, Andersson K-. Actions of the new antimuscarinic compound Lu 25-109 on isolated human and pig detrusor. *Neurourol Urodyn.* 2002;21(1):92-8. PubMed PMID: 11835429.
- Sveigaard HH, Dalgaard L. Evaluation of blood-brain barrier passage of a muscarine M1 agonist and a series of analogous tetrahydropyridines measured by in vivo microdialysis. *Pharm Res.* 2000 Jan;17(1):70-6. PubMed PMID: 10714611.
- Forlenza OV, Spink JM, Dayanandan R, Anderton BH, Olesen OF, Lovestone S. Muscarinic agonists reduce tau phosphorylation in non-neuronal cells via GSK-3beta inhibition and in neurons. *J Neural Transm (Vienna).* 2000; 107(10):1201-12. PubMed PMID: 11129110.
- Thal LJ, Forrest M, Loft H, Mengel H. Lu 25-109, a muscarinic agonist, fails to improve cognition in Alzheimer's disease. Lu25-109 Study Group. *Neurology.* 2000 Jan 25;54(2):421-6. PubMed PMID: 10668706.

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