

4-DAMP

Chemical Properties

CAS No.:	1952-15-4
Formula:	C ₂₁ H ₂₆ INO ₂
Molecular Weight:	451.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	M3 cholinergic receptor antagonist
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Solubility Information

Solubility	DMSO: ≥17.45mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.216 mL	11.078 mL	22.157 mL
5 mM	0.443 mL	2.216 mL	4.431 mL
10 mM	0.222 mL	1.108 mL	2.216 mL
50 mM	0.044 mL	0.222 mL	0.443 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Hopp TP, Prickett KS, Price VL, Libby RT, March CJ, Ceretti DP, Urdal DL, Conlon PJ (1988) A short polypeptide marker sequence useful for recombinant protein identification and purification. *Bio/Technology* 6:1204–1210.
- Hopp TP, Gallis B, Prickett KS (1996) Metal-binding properties of a calcium dependent monoclonal antibody. *Mol Immunol* 33:601–608.
- Einhauer A, Jungbauer A (2000) Kinetics and thermodynamical properties of the monoclonal antibody M1 directed against the FLAG peptide. 20th International symposium on the separation of proteins, peptides, and polynucleotides (ISPPP). Lubljana, Slovenia, November 5–8, 2000.
- Bucher MH, Evdokimov AG, Waugh DS (2002) Differential effects of short affinity tags on the crystallization of *Pyrococcus furiosus* maltodextrin-binding protein. *Biol Cryst* 58:392–397.

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