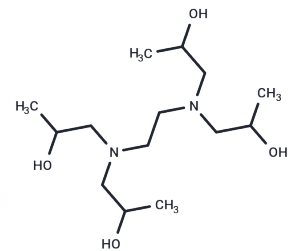


Quadrol

Chemical Properties

CAS No. :	102-60-3
Formula:	C ₁₄ H ₃₂ N ₂ O ₄
Molecular Weight:	292.41
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Quadrol (EDTP) is an immunostimulant, accelerated wound healing.
Targets(IC50)	Others,Calcium Channel

Solubility Information

Solubility	DMSO: 250 mg/mL (854.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.84 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (34.2 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4199 mL	17.0993 mL	34.1986 mL
5 mM	0.684 mL	3.4199 mL	6.8397 mL
10 mM	0.342 mL	1.7099 mL	3.4199 mL
50 mM	0.0684 mL	0.342 mL	0.684 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

Bhide MV, et al. In vitro stimulation of macrophages by quadrol [N,N,N',N'-tetrakis(2-hydroxypropyl) ethylenediamine]. J Immunopharmacol. 1985;7(3):303-12.

Bhide MV, et al. Promotion of wound collagen formation in normal and diabetic mice by quadrol. Immunopharmacol Immunotoxicol. 1988;10(4):513-22.

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