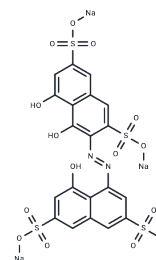


Beryllon II

Chemical Properties

CAS No. :	51550-25-5
Formula:	C ₂₀ H ₁₀ N ₂ Na ₄ O ₁₅ S ₄
Molecular Weight:	738.52
Storage:	Keep away from direct sunlight Powder: -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	Beryllon II is a widely used chromogenic reagent for determining proteins and various elements, including Mg, Mo, and Co.
Targets(IC50)	Others
In vitro	<p>Beryllon II detects RLS spectra in serum</p> <p>I. Solution preparation</p> <ol style="list-style-type: none"> 1. Mother solution preparation: Beryllon II is directly dissolved in water to prepare a 1000 µmol/L stock standard solution. 2. Working solution preparation: Dilute with water to a 250 µmol/L working solution when used. <p>II. Operation steps</p> <ol style="list-style-type: none"> 1. Serum sample preparation: Serum samples are diluted 400 times with deionized water to prepare standard stock solutions and stored at 0-4°C. 2. Walpole buffer (1.0 mL), appropriate volumes of working standard Beryllon II and serum samples are mixed separately, then diluted with water to 10.0 mL and stirred thoroughly; 3. Use a spectrophotometer to synchronously scan 300-550 nm to detect RLS spectra. <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Solubility Information

Solubility	DMSO: 60 mg/mL (81.24 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: 1 mg/mL (1.35 mM), Sonication is recommended. <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	1.3541 mL	6.7703 mL	13.5406 mL
5 mM	0.2708 mL	1.3541 mL	2.7081 mL
10 mM	0.1354 mL	0.677 mL	1.3541 mL
50 mM	0.0271 mL	0.1354 mL	0.2708 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

Dong L, et al. Study of the reaction of proteins with Beryllon II-Alll by the Rayleigh light scattering technique and its application. *Analyst*. 2001 May;126(5):707-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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