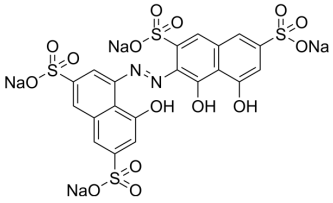
Beryllon II

Cat. No.:	HY-112276
CAS No.:	51550-25-5
Molecular Formula:	$C_{20}H_{10}N_2Na_4O_{15}S_4$
Molecular Weight:	738.52
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (6.77 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.3541 mL	6.7703 mL	13.5406 mL
	5 mM	0.2708 mL	1.3541 mL	2.7081 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 0.5 mg/mL (0.68 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 0.5 mg/mL (0.68 mM); Clear solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 0.5 mg/mL (0.68 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Beryllon II is a widely used chromogenic reagent that is used to determine many elements, such as Mo, Mg and Co, and also used for the determination of proteins.

In Vitro

Beryllon II is a widely used chromogenic reagent that has been used to determine many elements, such as Mo, Mg and Co. Beryllon II-Al^{3+} complex with the addition of protein can potently enhance the Rayleigh light scattering, and used to determine proteins[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA