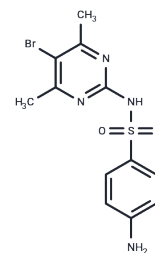


Sulfabrom

Chemical Properties

CAS No. :	116-45-0
Formula:	C ₁₂ H ₁₃ BrN ₄ O ₂ S
Molecular Weight:	357.23
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sulfabrom (Sulfabromomethazine) is a long-acting sulfonamide medicine for the treatment of coccidiosis and various bacterial infections in poultry, pigs, and cattle.
Targets(IC50)	Anti-infection, Antibacterial

Solubility Information

Solubility	DMSO: 80 mg/mL (223.95 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 (5.6 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	2.7993 mL	13.9966 mL	27.9932 mL
5 mM	0.5599 mL	2.7993 mL	5.5986 mL
10 mM	0.2799 mL	1.3997 mL	2.7993 mL
50 mM	0.056 mL	0.2799 mL	0.5599 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

Stowe CM, et al. The pharmacology of sulfabromomethazine, a new long-acting sulfonamide, in cattle. Am J Vet Res. 1958 Apr;19(71):345-53.

Fink DW, Martin RP, Blodinger J. Facile separation of sulfonamides from their degradates by liquid-liquid extraction. J Pharm Sci. 1978 Oct;67(10):1415-9.

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