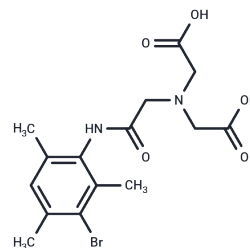


Mebrofenin

Chemical Properties

CAS No. :	78266-06-5
Formula:	C ₁₅ H ₁₉ BrN ₂ O ₅
Molecular Weight:	387.23
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Mebrofenin (SQ 26962) is available as a ready to use the kit for radio-labeling with Tc-99m. Technetium Tc 99m Mebrofenin is a diagnostic radiopharmaceutical composed of diisopropyl-iminodiacetic acid (DISIDA) attached to a technetium-99m ion.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (645.61 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: 3.3 mg/mL (8.52 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	2.5824 mL	12.9122 mL	25.8244 mL
5 mM	0.5165 mL	2.5824 mL	5.1649 mL
10 mM	0.2582 mL	1.2912 mL	2.5824 mL
50 mM	0.0516 mL	0.2582 mL	0.5165 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

Morandi F, et al. Transsplenic portal scintigraphy using 99mTc-mebrofenin in normal dogs. Vet Radiol Ultrasound. 2007 May-Jun;48(3):286-91.

Matthews R, et al. Tc-99m mebrofenin hepatobiliary scan in obstructive hepatobiliary disease: determining causes with early and late delayed imaging. World J Nucl Med. 2013 May;12(2):54-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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