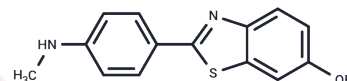


PiB

Chemical Properties

CAS No. : 566169-93-5
 Formula: C₁₄H₁₂N₂O₂
 Molecular Weight: 256.32
 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	PiB (Pittsburgh Compound-B) is a standard for analysis of ¹¹ C-PiB. ¹¹ C-PiB is a β -amyloid PET imaging tracer for Alzheimer's disease diagnosis.
Targets(IC50)	Beta Amyloid,Others

Solubility Information

Solubility	DMSO: 62.5 mg/mL (243.84 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: 6.25 mg/mL (24.38 mM),Suspension. 10% DMSO+90% Saline: < 6.25 mg/mL (24.38 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	3.9014 mL	19.5069 mL	39.0137 mL
5 mM	0.7803 mL	3.9014 mL	7.8027 mL
10 mM	0.3901 mL	1.9507 mL	3.9014 mL
50 mM	0.078 mL	0.3901 mL	0.7803 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

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