

N-[2-(diethylamino)ethyl]-2-iodobenzamide

Chemical Properties

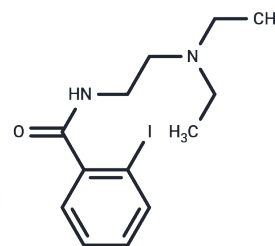
CAS No. : 170794-62-4

Formula: C₁₃H₁₉IN₂O

Molecular Weight: 346.21

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	N-[2-(diethylamino)ethyl]-2-iodobenzamide is a radiopharmaceutical for the scintigraphic detection of melanoma and metastases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (158.86 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8884 mL	14.4421 mL	28.8842 mL
5 mM	0.5777 mL	2.8884 mL	5.7768 mL
10 mM	0.2888 mL	1.4442 mL	2.8884 mL
50 mM	0.0578 mL	0.2888 mL	0.5777 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

Moreau, M. F.; Michelot, J.; Papon, J.; Bayle, M.; Labarre, P.; Madelmont, J. C.; Parry, D.; Boire, J. Y.; Moins, N.; et al. Synthesis, radiolabeling, and preliminary evaluation in mice of some (N-diethylaminoethyl)-4-iodobenzamide derivatives as melanoma imaging agents. *Nuclear Medicine and Biology* (1995), 22(6), 737-47.

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