Data Sheet (Cat.No.T28466)

C44H62N6O17



PSMA-11

Formula:

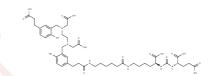
Chemical Properties

CAS No.: 1366302-52-4

Molecular Weight: 946.99

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description PSMA-11 (HBED-CC-PSMA) detects prostate cancer recurrence and metastasis by

binding to the extracellular structural domain of prostate-specific membrane antigen (PSMA).PSMA-11 is often used as a tracer of PSMA-expressing tumours in positron emission tomography (PET) scanning by intravenous injection of gallium Ga 68-labelled PSMA-11, Glu-urea-Lys(Ahx) molecule targeted and bound PSMA-expressing tumour cells. After internalisation, PSMA-expressing tumour cells could be detected on PET

imaging.

Solubility Information

Solubility DMSO: 90.0 mg/mL (95.0 mM), Sonication is recommended.

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.056 mL	5.2799 mL	10.5598 mL
5 mM	0.2112 mL	1.056 mL	2.112 mL
10 mM	0.1056 mL	0.528 mL	1.056 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 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.

Reference

Demirci E, et al. Normal distribution pattern and physiological variants of 68Ga-PSMA-11 PET/CT imaging. Nucl Med Commun. 2016;37(11):1169-1179.

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