

MIP-1095

Chemical Properties

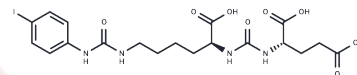
CAS No. : 949575-22-8

Formula: C₁₉H₂₅N₄O₈

Molecular Weight: 564.33

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	MIP-1095 is the prostate-specific membrane antigen inhibitor.
Targets(IC50)	Others,PSMA

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.772 mL	8.8601 mL	17.7201 mL
5 mM	0.3544 mL	1.772 mL	3.544 mL
10 mM	0.1772 mL	0.886 mL	1.772 mL
50 mM	0.0354 mL	0.1772 mL	0.3544 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

Robertson N, Rappas M, Doré AS, et al. Structure of the complement C5a receptor bound to the extra-helical antagonist NDT9513727. *Nature*. 2018 Jan 3;553(7686):111-114.

Afshar-Oromieh A, Haberkorn U, Zechmann C, Armor T, Mier W, Spohn F, Debus N, Holland-Letz T, Babich J, Kratochwil C. Repeated PSMA-targeting radioligand therapy of metastatic prostate cancer with (131)I-MIP-1095. *Eur J Nucl Med Mol Imaging*. 2017 Jun;44(6):950-959. doi: 10.1007/s00259-017-3665-9. Epub 2017 Mar 9. PubMed PMID: 28280855; PubMed Central PMCID: PMC5397661.

Afshar-Oromieh A, Babich JW, Kratochwil C, Giesel FL, Eisenhut M, Kopka K, Haberkorn U. The Rise of PSMA Ligands for Diagnosis and Therapy of Prostate Cancer. *J Nucl Med*. 2016 Oct;57(Suppl 3):79S-89S. Review. PubMed PMID: 27694178.

Tesson M, Rae C, Nixon C, Babich JW, Mairs RJ. Preliminary evaluation of prostate-targeted radiotherapy using (131) I-MIP-1095 in combination with radiosensitising chemotherapeutic drugs. *J Pharm Pharmacol*. 2016 Jul;68(7):912-21. doi: 10.1111/jphp.12558. Epub 2016 May 3. PubMed PMID: 27139157; PubMed Central PMCID: PMC5298040.

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