

Product Data Sheet

Product Name: HYNIC-iPSMA TFA

Cat. No.: GC74402

Chemical Properties

Cas. No. 2375849-11-7

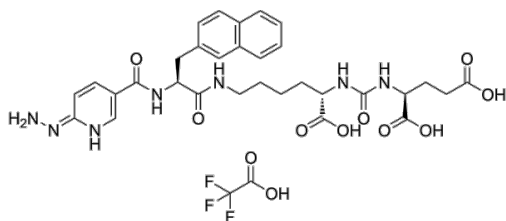
Formula $C_{33}H_{38}F_3N_7O_{11}$ M.Wt 765.69

Solubility DMSO : 100 mg/mL (130.60 mM; Need ultrasonic) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

NIC-iPSMA TFA is a ligand for molecular imaging of tumors. nic-ipsma consists of two components: NIC (6-drazinonicotinamide) and iPSMA (Inhibitor of Prostate-Specific Membrane Antigen). NIC is a compound used to attach radioactive isotopes to targeted molecules. iPSMA is a specific inhibitor used to inhibit prostate-specific membrane antigen (PSMA). 68GA-labeled iPSMA has been used to detect prostate cancer by PET imaging. The further 99mTc-EDDA/NIC-iPSMA TFA has excellent

Caution: Product has not been fully validated for medical applications. For research use only.

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specificity and sensitivity.

References:

[1]. Ferro-Flores G, et al. Clinical translation of a PSMA inhibitor for 99mTc-based SPECT. Nucl Med Biol. 2017 May;48:36-44.

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