

Product Data Sheet

Product Name: NOTA-DPI-4452 TFA

Cat. No.: GC81849

Chemical Properties

Cas. No.

Formula $C_{88}H_{125}N_{21}O_{27}S_3 \cdot xC_2HF_3O_2$ M.Wt 2005.25

Solubility DMSO: 100 mg/mL (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

NOTA-DPI-4452 TFA is a trifluoroacetate derivative with DPI-4452 as the parent peptide. DPI-4452 is a CAIX-targeting cyclic peptide with a DOTA cage that can chelate with radionuclides and is used to express CAIX tumors for PET-CT imaging and research [1].

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

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In Vitro, NOTA-DPI-4452 TFA is a trifluoroacetate derivative with DPI-4452 as the parent peptide [1].

References:

[1]. Massière, et al. Preclinical Characterization of DPI-4452: A68Ga/177Lu Theranostic Ligand for Carbonic Anhydrase IX. Journal of nuclear medicine: official publication, Society of Nuclear Medicine. 2024, 65(5), 761–767.

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