

Product Data Sheet

Product Name: DOTA.SA.FAPi TFA

Cat. No.: GC74227

Chemical Properties

Cas. No.

Formula $C_{45}H_{56}F_5N_{11}O_{14}$

M.Wt 1069.98

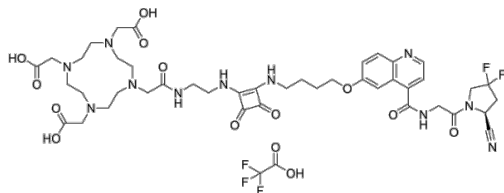
Solubility

Storage -20°C, sealed storage, away from moisture and light

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

DOTA.SA.FAPi TFA is a bifunctional DATA5m and DOTA chelator, which is composed of the squaric acid and UAMC1110. DOTA.SA.FAPi TFA inhibits fibroblast activation protein (FAP) with an IC₅₀ of 0.9 nM. DOTA.SA.FAPi TFA targets protease PREP with an IC₅₀ of 5.4 μM. DOTA.SA.FAPi TFA can be used as a PET tracer, when labeled with ⁶⁸Ga, and used for research about cancer.

References:

[1]. Moon ES, et al., Targeting fibroblast activation protein (FAP): next generation PET radiotracers

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

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using squaramide coupled bifunctional DOTA and DATA5m chelators. EJNMMI Radiopharm Chem.
2020 Jul 29;5(1):19.

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