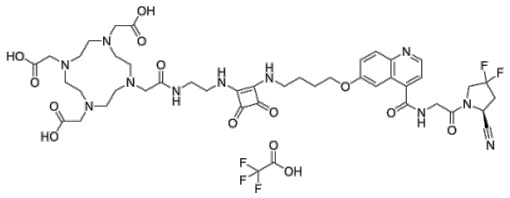
Product Data Sheet

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 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.