



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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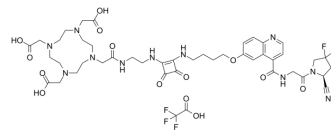
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## DOTA.SA.FAPi TFA

<b>Cat. No.:</b>	HY-D2363
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>56</sub> F <sub>5</sub> N <sub>11</sub> O <sub>14</sub>
<b>Molecular Weight:</b>	1069.98
<b>Target:</b>	FAP; Prolyl Endopeptidase (PREP)
<b>Pathway:</b>	Immunology/Inflammation; Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 IC <sub>50</sub> of 0.9 nM. DOTA.SA.FAPi TFA targets protease PREP with an IC <sub>50</sub> of 5.4 μM. DOTA.SA.FAPi TFA can be used a PET tracer, when labeled with <sup>68</sup> Ga, and used for research about cancer <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.9 nM (FAP); 5.4 μM (PREP)

### REFERENCES

[1]. Moon ES, et al., Targeting fibroblast activation protein (FAP): next generation PET radiotracers using squaramide coupled bifunctional DOTA and DATA5m chelators. EJNMMI Radiopharm Chem. 2020 Jul 29;5(1):19.

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

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