



SZABO SCANDIC

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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

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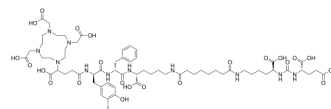
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PSMA I&T

Cat. No.:	HY-148761
CAS No.:	2192281-54-0
Molecular Formula:	C ₆₃ H ₉₂ IN ₁₁ O ₂₃
Molecular Weight:	1498.37
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (66.74 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.6674 mL	3.3370 mL	6.6739 mL
		5 mM		0.1335 mL	0.6674 mL	1.3348 mL
		10 mM		0.0667 mL	0.3337 mL	0.6674 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (0.83 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (0.83 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (0.83 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	PSMA I&T is a potent PSMA (prostate-specific membrane antigen) inhibitor. PSMA I&T can be used for SPECT/CT imaging and radionuclide research of prostate cancer (PCa) ^[1] .
IC₅₀ & Target	PSMA ^[1]

REFERENCES

[1]. Chatalic KL, et al. Towards Personalized Treatment of Prostate Cancer: PSMA I&T, a Promising Prostate-Specific Membrane Antigen-Targeted Theranostic Agent. *Theranostics*. 2016 Apr 12;6(6):849-61.

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

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