



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

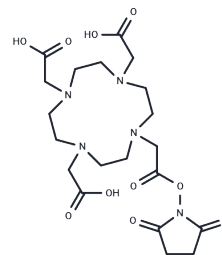
www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DOTA-NHS-ester

Chemical Properties

CAS No. :	170908-81-3
Formula:	C ₂₀ H ₃₁ N ₅ O ₁₀
Molecular Weight:	501.49
Appearance:	no data available
Storage:	store at low temperature, keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	DOTA-NHS-ester is a linker of affibody molecules for small animal PET, SPECT and CT. DOTA-NHS-ester can be used to label radiotherapeutic agents or imaging probes for tumor detection.
Targets(IC50)	Others, ADC Linker
In vitro	DOTA-NHS-ester can be used to modify human serum albumin (HSA) to produce DOTA-HSA. And DOTA-HSA is furtherly modified by Sulfo-SMCC to obtain DOTA-HSA-SMCC. DOTA-HSA-SMCC is conjugated to ZHER2:342 and the final product is DOTA-HSA-ZHER2:342[1]. In a cell uptake assay, DOTA-HSA-ZHER2:342 is labeled by ⁶⁴ Cu, ⁶⁴ Cu-DOTA-HSA-ZHER2:342 (0.5-2 hours) slowly accumulates in the SKOV3 cells and reaches 0.71% of the applied activity at 0.5 h and the uptake increased to 1.58% at 2 h[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (99.70 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9941 mL	9.9703 mL	19.9406 mL
5 mM	0.3988 mL	1.9941 mL	3.9881 mL
10 mM	0.1994 mL	0.997 mL	1.9941 mL
50 mM	0.0399 mL	0.1994 mL	0.3988 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Hoppmann S, et al. Radiolabeled affibody-albumin bioconjugates for HER2-positive cancer targeting. *Bioconjug Chem.* 2011 Mar 16;22(3):413-2

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481