



# 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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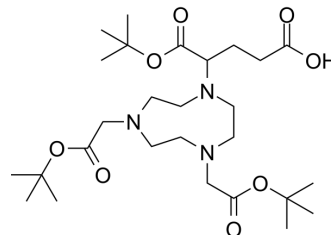
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## NODAGA-tris(t-Bu ester)

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-W539893  |       |          |
| <b>CAS No.:</b>           | 1190101-34-8  |       |          |
| <b>Molecular Formula:</b> | C <sub>27</sub> H <sub>49</sub> N <sub>3</sub> O <sub>8</sub> |       |          |
| <b>Molecular Weight:</b>  | 543.69  |       |          |
| <b>Target:</b>            | Others  |       |          |
| <b>Pathway:</b>           | Others  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (183.93 mM; Need ultrasonic)

| Concentration | Solvent | Mass | Preparing Stock Solutions |           |            |
|---------------|---------|------|---------------------------|-----------|------------|
|               |         |      | 1 mg                      | 5 mg      | 10 mg      |
| 1 mM          |         |      | 1.8393 mL                 | 9.1964 mL | 18.3928 mL |
| 5 mM          |         |      | 0.3679 mL                 | 1.8393 mL | 3.6786 mL  |
| 10 mM         |         |      | 0.1839 mL                 | 0.9196 mL | 1.8393 mL  |

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

NODAGA-tris(t-Bu ester) (NODAG) is a NODAGA derivative. NODAGA-tris(t-Bu ester) can be used to label peptides, antibodies, etc., and subsequently radiolabeled for PET imaging<sup>[1]</sup>.

### REFERENCES

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[1]. arta P, et al. Preparation, In Vitro Affinity, and In Vivo Biodistribution of Receptor-Specific <sup>68</sup>Ga-Labeled Peptides Targeting Vascular Endothelial Growth Factor Receptors. *Bioconjug Chem.* 2022 Oct 19;33(10):1825-1836.

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

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