SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NAT

Cat. No.: HY-144776

CAS No.: 831243-31-3

Molecular Formula: $C_{18}H_{21}NO_3$

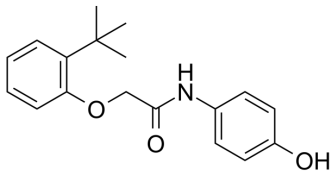
Molecular Weight: 299.36

Target: NAMPT

Pathway: Metabolic Enzyme/Protease

Storage:

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 (334.05 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.3405 mL	16.7023 mL	33.4046 mL
	5 mM	0.6681 mL	3.3405 mL	6.6809 mL
	10 mM	0.3340 mL	1.6702 mL	3.3405 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (8.35 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (8.35 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.35 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

NAT is an initial hit of NAMPT activator. NAMPT is the rate-limiting enzyme in the NAD salvage pathway, which makes it an attractive target for the research of many diseases associated with NAD exhaustion such as neurodegenerative diseases[1].

REFERENCES

[1]. Wang L, et al. Optimization of NAMPT activators to achieve in vivo neuroprotective efficacy [published online ahead of print, 2022 Mar 16]. Eur J Med Chem. 2022;236:114260.

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