



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) 

RNAIII-inhibiting peptide TFA

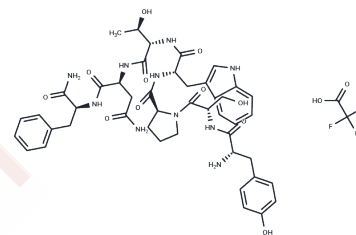
Chemical Properties

CAS No. :

Formula: C47H57F3N10O13

Molecular Weight: 1027.01

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	RNAIII-inhibiting peptide TFA (RNAIII-inhibiting peptide(TFA))(228544-21-6 free base) inhibits <i>S. aureus</i> , effective in the diseases such as cellulitis, keratitis, septic arthritis, osteomyelitis and mastitis.
Targets(IC50)	Antibacterial
In vitro	The RNAIII inhibiting peptide (RIP) is able to inhibit <i>S. aureus</i> pathogenesis by disrupting QS mechanism competing with RAP, thus inhibiting the phosphorylation of TRAP. This alteration leads to a reduced adhesion and to the inhibition of RNAIII synthesis, with the subsequent suppression of toxins synthesis.

Solubility Information

Solubility	DMSO: 150 mg/mL (146.06 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9737 mL	4.8685 mL	9.737 mL
5 mM	0.1947 mL	0.9737 mL	1.9474 mL
10 mM	0.0974 mL	0.4869 mL	0.9737 mL
50 mM	0.0195 mL	0.0974 mL	0.1947 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

Ciulla M , Di Stefano A , Marinelli L , et al. RNAIII Inhibiting Peptide (RIP) and Derivatives as Potential Tools for the Treatment of *S. aureus* Biofilm Infections[J]. Current Topics in Medicinal Chemistry, 2018, 18.

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