

Product Name: EG 00229 trifluoroacetate

Catalog No.: 6986

Batch No.: 1

CAS Number: 1210945-69-9

IUPAC Name: *N*²-[[3-[(2,1,3-Benzothiadiazol-4-ylsulfonyl)amino]-2-thienyl]carbonyl]-L-arginine trifluoroacetate

1. PHYSICAL AND CHEMICAL PROPERTIES

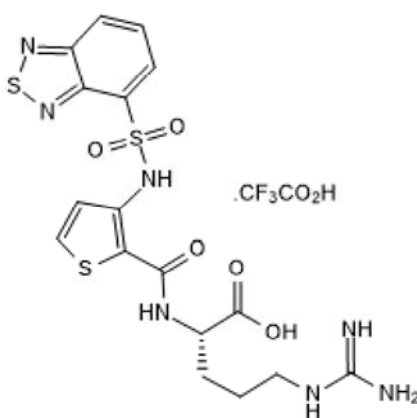
Batch Molecular Formula: C₁₇H₁₉N₇O₅S₃.CF₃CO₂H

Batch Molecular Weight: 611.59

Physical Appearance: Yellow solid

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Optical Rotation: [α]_D = +112.8 (Concentration = 1, Solvent = 0.2M NaOH)

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	37.31	3.3	16.03
Found	37.19	3.42	16.21

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: EG 00229 trifluoroacetate

Catalog No.: 6986

Batch No.: 1

CAS Number: 1210945-69-9

IUPAC Name: N^2 -[[3-[(2,1,3-Benzothiadiazol-4-ylsulfonyl)amino]-2-thienyl]carbonyl]-L-arginine trifluoroacetate

Description:

Neuropilin 1 (NRP1) receptor antagonist; inhibits VEGFA binding to the NRP1 b1 domain. Has no effect on VEGFA binding to VEGFR-1 and VEGFR-2. Reduces VEGFA-induced VEGFR-2 tyrosine phosphorylation in HUVECs. Also attenuates VEGFA-induced HUVEC cell migration and reduces A549 lung carcinoma cell viability in vitro.

Physical and Chemical Properties:

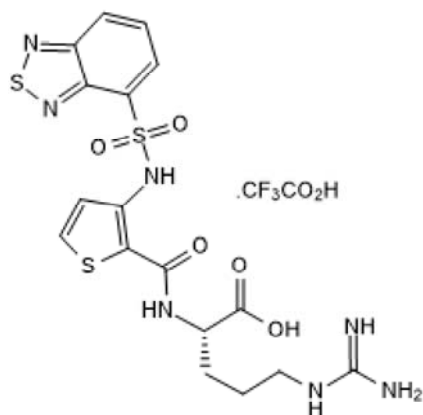
Batch Molecular Formula: $C_{17}H_{19}N_7O_5S_3 \cdot CF_3CO_2H$

Batch Molecular Weight: 611.59

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Jarvis *et al* (2010) Small molecule inhibitors of the neuropilin-1 vascular endothelial growth factor A (VEGF-A) interaction. *J.Med.Chem.* **53** 2215. PMID: 20151671 .

Storage: Store at -20°C

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com
techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors
Tel:+1 612 379 2956