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

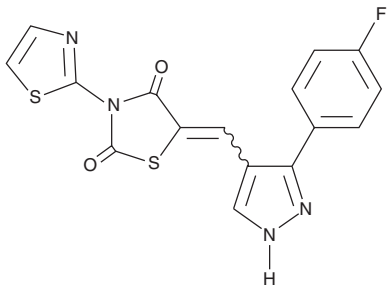
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Necrostatin-7

Item No. 10528

CAS Registry No.: 351062-08-3
Formal Name: 5-((3-(4-fluorophenyl)-1H-pyrazol-4-yl)methylene)-2-imino-3-(thiazol-2-yl)thiazolidin-4-one
Synonym: Nec-7
MF: $C_{16}H_{10}FN_5OS_2$
FW: 371.4
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Necrostatin-7 (Nec-7) is supplied as a crystalline solid. A stock solution may be made by dissolving the Nec-7 in the solvent of choice. Nec-7 is soluble in organic solvents such as ethanol and DMSO, which should be purged with an inert gas.

Description

Necroptosis is a regulated caspase-independent cell death mechanism that results in morphological features resembling necrosis. Serine/threonine kinase activity of the death domain receptor-associated molecule RIP1 is thought to be essential for Fas ligand–induced and tumor necrosis factor-α (TNF-α) induced necrosis.[1] Nec-7 is a necroptosis inhibitor that is structurally and biologically distinct from necrostatin-1, -3, -4, and -5 as it does not inhibit RIP1 kinase. Nec-7 may target an additional regulatory molecule in this pathway as it inhibits TNF-α-induced necroptosis in a FADD-deficient variant of human Jurkat T cells with an EC_{50} value of 10.6 µM.[2]

References

1. Teng, X., Degterev, A., Jagtap, P., *et al.* Structure-activity relationship study of novel necroptosis inhibitors. *Bioorg. Med. Chem. Lett.* **15**, 5039-5044 (2005).
2. Zheng, W., Degterev, A., Hsu, E., *et al.* Structure-activity relationship study of a novel necroptosis inhibitor, necrostatin-7. *Bioorg. Med. Chem. Lett.* **18**, 4932-4935 (2008).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM