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Produktinformation

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

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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

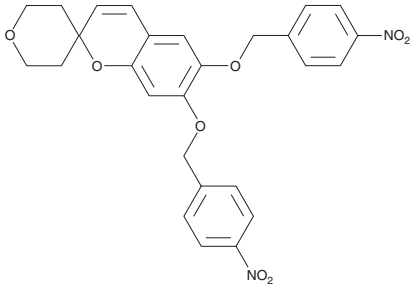
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

CU-CPT17e

Item No. 39534

CAS Registry No.:	2109805-75-4
Formal Name:	2′,3′,5′,6′-tetrahydro-6,7-*bis*[(4-nitrophenyl)methoxy]-spiro[2H-1-benzopyran-2,4′-[4H]pyran]
MF:	$C_{27}H_{24}N_2O_8$
FW:	504.5
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

CU-CPT17e is supplied as a solid. A stock solution may be made by dissolving the CU-CPT17e in the solvent of choice, which should be purged with an inert gas. CU-CPT17e is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of CU-CPT17e in these solvents is approximately 2 mg/ml. CU-CPT17e is slightly soluble in ethanol.

Description

CU-CPT17e is an agonist of toll-like receptor 3 (TLR3), TLR8, and TLR9.[1] It selectively induces NF-κB activation in HEK293 cells expressing recombinant human TLR3, TLR8, or TLR9 (EC_{50}s = 4.8, 13.45, and 5.66 µM, respectively) over HEK293 cells expressing recombinant human TLR2, TLR4, TLR5, or TLR7 (EC_{50}s = >100 µM for all). CU-CPT17e (5-40 µM) induces TNF-α, IL-6, and IL-8 production in THP-1 cells. It also inhibits the growth of HeLa cells (IC_{50} = 2.71 µM).

Reference

1. Zhang, L., Dewan, V., and Yin, H. Discovery of small molecules as multi-toll-like receptor agonists with proinflammatory and anticancer activities. *J. Med. Chem.* **60(12)**, 5029-5044 (2017).

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