



# 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

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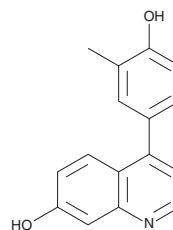
# PRODUCT INFORMATION



## CU-CPT9b

Item No. 28723

**CAS Registry No.:** 2162962-69-6  
**Formal Name:** 4-(4-hydroxy-3-methylphenyl)-7-quinolinol  
**MF:** C<sub>16</sub>H<sub>13</sub>NO<sub>2</sub>  
**FW:** 251.3  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 238 nm  
**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

CU-CPT9b is supplied as a crystalline solid. A stock solution may be made by dissolving the CU-CPT9b in the solvent of choice, which should be purged with an inert gas. CU-CPT9b is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of CU-CPT9b in these solvents is approximately 30 mg/ml.

### Description

CU-CPT9b is an antagonist of toll-like receptor 8 (TLR8; K<sub>d</sub> = 21 nM).<sup>1</sup> It inhibits activation of NF-κB induced by the TLR8 agonist R-848 (Item No. 14806) in TLR8-overexpressing HEK-Blue cells with an IC<sub>50</sub> value of 0.7 nM.

### Reference

1. Zhang, S., Hu, Z., Tanji, H., et al. Small-molecule inhibition of TLR8 through stabilization of its resting state. *Nat. Chem. Biol.* **14**(1), 58-64 (2018).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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