



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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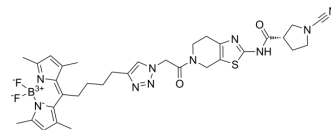
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## 8RK59

<b>Cat. No.:</b>	HY-D1726
<b>CAS No.:</b>	2705841-53-6
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>39</sub> BF <sub>2</sub> N <sub>10</sub> O <sub>2</sub> S
<b>Molecular Weight:</b>	688.6
<b>Target:</b>	Deubiquitinase
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	8RK59, a Bodipy probe, is a potent UCHL1 (ubiquitin C-terminal hydrolase L1) inhibitor, with an IC <sub>50</sub> close to 1 μM. 8RK59 could penetrate and label living cells. BodipyFL-alkyne is coupled to the azide of 8RK64 (HY-148254) using copper(I)-mediated click chemistry, resulting in compound 8RK59 <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	UCHL1 (ubiquitin C-terminal hydrolase L1) <sup>[1]</sup>
<b>In Vitro</b>	8RK59 (5 μM, 24 h) binds only to wild-type UCHL1 but not to catalytically inactive UCHL1, indicating that the probe binding site is the active-site cysteine <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kooij R, et al. Small-Molecule Activity-Based Probe for Monitoring Ubiquitin C-Terminal Hydrolase L1 (UCHL1) Activity in Live Cells and Zebrafish Embryos. *J Am Chem Soc.* 2020 Sep 30;142(39):16825-16841.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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