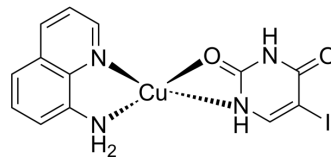


## 8AQ-Cu-5lu

Cat. No.:	HY-162050
Molecular Formula:	C <sub>13</sub> H <sub>11</sub> CuIN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	445.7
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

8AQ-Cu-5lu is an activator of SIRT1. 8AQ-Cu-5lu exhibits neuroprotective effects by modulating the SIRT1/3-FOXO3a signaling pathway. 8AQ-Cu-5lu can be used in studies attenuating neurodegenerative diseases<sup>[1]</sup>.

### REFERENCES

[1]. Ruankham W, et al. Promising 8-Aminoquinoline-Based Metal Complexes in the Modulation of SIRT1/3-FOXO3a Axis against Oxidative Damage-Induced Preclinical Neurons. ACS Omega. 2023 Nov 30;8(49):46977-46988.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA