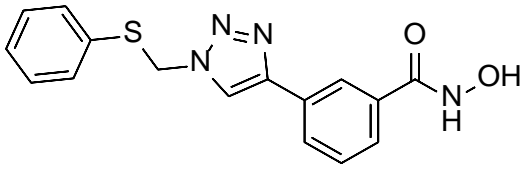


Product data sheet



MedKoo Cat#: 407293 Name: NCC-149 CAS: 1316652-41-1 Chemical Formula: C ₁₆ H ₁₄ N ₄ O ₂ S Exact Mass: 326.0837 Molecular Weight: 326.374	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

NCC-149 is a HDAC8 inhibitor.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.06 mL	15.32 mL	30.64 mL
5 mM	0.61 mL	3.06 mL	6.13 mL
10 mM	0.31 mL	1.53 mL	3.06 mL
50 mM	0.06 mL	0.31 mL	0.61 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

Katayama S, Morii A, Makanga JO, Suzuki T, Miyata N, Inazu T. HDAC8 regulates neural differentiation through embryoid body formation in P19 cells. *Biochem Biophys Res Commun.* 2018 Mar 25;498(1):45-51. doi: 10.1016/j.bbrc.2018.02.195. Epub 2018 Feb 28. PMID: 29499194.

In vivo study

TBD

7. Bioactivity

Biological target:

NCC-149 is a HDAC8 inhibitor.

In vitro activity

HDAC8-selective inhibitor (NCC-149) (HDAC8i)-treated cells showed smaller EBs than non-treated cells, as well as reduced expression levels of the neuronal marker, NeuN.

Reference: *Biochem Biophys Res Commun.* 2018 Mar 25;498(1):45-51. <https://pubmed.ncbi.nlm.nih.gov/29499194/>

In vivo activity

Product data sheet



TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.