

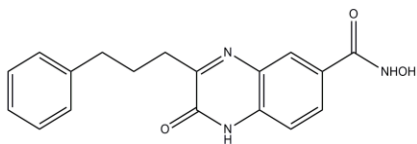
Compound 1

ALTERNATE NAME: N-Hydroxy-2-oxo-3-(3-phenylpropyl)-1,2-dihydroquinoxaline-6-carboxamide

CATALOG #: 1688-5

AMOUNT: 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₇N₃O₃

MOLECULAR WEIGHT: 323.35

CAS NUMBER: N/A

APPEARANCE: Off-white solid

SOLUBILITY: DMSO

PURITY: >95% by HPLC

STORAGE: Store at -20°C.

DESCRIPTION: A dihydroquinoxaline derivative that efficiently induces neuronal differentiation from mesenchymal stem cells (MSCs) with excellent efficiency. MSCs treated with Compound 1 display neural electrophysiological and cholinergic neuron properties.

REFERENCES: Kim, N.R., *et al.* (2009). *J. Med. Chem.* **52**, 7931-7933.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- Cyclopamine (**Cat. No. 1578-5**)
- Dexamethasone (**Cat. No. 1042-1G, 1042-10G**)
- Forskolin, *Coleus Forskohlii* (**Cat. No. 1531-5**)
- Geldanamycin (**1564-1, 5**)
- Hh Signaling Pathway Antagonist (**Cat. No. 1659-1**)
- Purmorphamine (**Cat. No. 1672-5**)
- Rapamycin (**Cat. No. 1568-5, 50**)
- SB-431542 (**Cat. No. 1674-1**)
- Sodium Butyrate (**Cat. No. 1609-1000**)
- Trichostatin A (**Cat. No. 1606-1**)
- U0126 (**Cat. No. 1668-5**)