

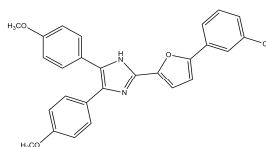
**PRODUCT: Neurodazine**

**ALTERNATE NAME:** 4-(4-Benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, methyl, 1-methylester diester

**CATALOG #:** 2568-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 456.92

**CAS No.** 937807-66-4

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (~25 mg/ml) or EtOH (~ 25 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from light and air

**DESCRIPTION:** Cell-permeable. A promoter of neurogenesis. Neurodazine induces neuronal differentiation in skeletal muscle cells. In mouse C2C12 myoblasts, neurodazine (2 μM for seven days) upregulated the expression of neuron-specific enolase (NSE), neurofilament 200 (NF200), synapsin, and other neuronal markers. Neurodazine similarly upregulated NSE and NF200 in human skeletal muscle fibers, indicating efficacy in mature muscle as well as in myoblasts.

**REFERENCES:** Williams, D.R., *et al.* (2007). *J. Amer. Chem. Soc.* **129**, 9258-9259.

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

**RELATED PRODUCTS:**

- Aurintricarboxylic Acid (Cat. No. 1506-1000)
- BODIPY-Cyclopamine (Cat. No. 2160-50, 250)
- Cyclopamine (Cat. No. 1578-5)
- Cyclopamine-KAAD (Cat. No. 1910-50)
- GANT58 (Cat. No. 1812-5, 25)
- GANT61 (Cat. No. 1892-5)
- GDC-0449 (Cat. No. 1890-5, 25)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- DiscoveryPak™ hedgehog Signaling Pathway Antagonists Set (Cat. No. K868-6)
- (-)-Indolactam (Cat. No. 2197-250, 1000)
- ISX9 (Cat. No. 2563-5, 25)
- Itraconazole (Cat. No. 1987-50, 100, 500, 1000)
- JK-184 (Cat. No. 1726-1)
- Phorbol-12-myristate-13-acetate (PMA) (Cat. No. 1544-5)
- Prostaglandin E2 (Cat. No. 2268-5, 25)
- Purmorphamine (Cat. No. 1672-5)
- Robotnikinin (Cat. No. 1923-1)
- SANT-1 (Cat. No. 1978-1,5)
- SANT-2 (Cat. No. 1976-1, 5)
- Smo Antagonist, SA1 (Cat. No. 2154)
- Smo Antagonist, SA9 (Cat. No. 2155)
- Smo Antagonist, SA10 (Cat. No. 2159)
- Sonic Hedgehog, human recombinant (Cat. No. 4010-25, 100, 1000)
- Sonic Hedgehog, murine recombinant (Cat. No. 4020-25, 100, 1000)
- Tomatidine hydrochloride (Cat. No. 1893-25)

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