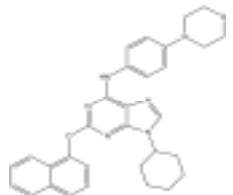


## Purmorphamine

<b>ALTERNATE NAME:</b>	9-cyclohexyl-N-(4-morpholin-4-ylphenyl)-2-naphthalen-1-ylloxypurin-6-amine
<b>CATALOG #:</b>	1672-5
<b>AMOUNT:</b>	5 mg
<b>LOT #:</b>	_____
<b>STRUCTURE:</b>	
<b>MOLECULAR FORMULA:</b>	C <sub>31</sub> H <sub>32</sub> N <sub>6</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	520.62
<b>CAS NUMBER:</b>	483367-10-8
<b>APPEARANCE:</b>	Off-white solid
<b>SOLUBILITY:</b>	DMSO
<b>PURITY:</b>	>98%
<b>STORAGE:</b>	<b>Store at -20 °C.</b> Protect from air and light
<b>DESCRIPTION:</b>	A 2,6,9-trisubstituted purine that promotes the differentiation of both human and murine mesenchymal progenitor cells into osteoblasts. It directly binds to and activates 7-transmembrane Smo receptor of the Hedgehog (Hh) signaling pathway.
<b>REFERENCES:</b>	<ol style="list-style-type: none"> <li>1. Sinha, S., and Chen, J.K. (2006). <i>Nat. Chem. Biol.</i> <b>2</b>, 29.</li> <li>2. Wu, X., et al. (2004). <i>Chem. Biol.</i> <b>11</b>, 1229.</li> <li>3. Wu, X., et al. (2002). <i>J. Am. Chem. Soc.</i> <b>124</b>, 14520.</li> </ol>
<b>HANDLING:</b>	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:

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptosis siRNA Vectors
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
  - HAT Colorimetric Assay Kit & Reagents
  - DNA Damage Quantification Kit
  - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Survivin, & Leptin
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay & Drug Discovery Kits
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies