Cat No. 18-S41

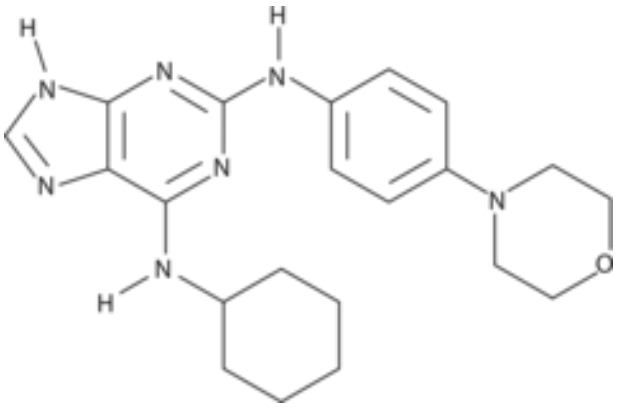
Reversine

2mg

For research purposes only

Reversine is a potent, selective A3 adenosine receptor antagonist. It has been shown to induce differentiated myogenic-linage committed cells to become multipotent mesenchymal progenitor cells. Reversine has been used in a variety of studies of cell fate.

TECHNICAL INFORMATION



Other Names: N6-cyclohexyl-N2-[4-(4-morpholinyl) phenyl]-1H-purine-2,6-diamine

Chemical Formula: $C_{21}H_{27}N_7O$

CAS Number: 656820-32-5

Molecular Weight: 393.5

Purity: >98% by HPLC

Appearance: Crystalline solid

Solubility: DMSO

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 7mg/ml. Incubate in a 37°C water bath for 5 minutes if precipitate is observed.

REFERENCES

1. Chen et al. (2007). Reversine increases the plasticity of lineage-committed mammalian cells, PNAS. 104, 25: 10482-10487.
2. Santaguida et al. (2010) Dissecting the role of MPS1 in chromosome biorientation and the spindle checkpoint through the small molecule inhibitor Reversine. J Cell Biol. 190: 73-87.
3. McMillin et al. (2010). Tumor cell specific bioluminescence platform to identify stroma-induced changes to anticancer drug activity. Nat Med. 16: 483-489.