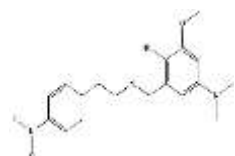


BN-82002

ALTERNATE NAME: Phenol, 4-(dimethylamino)-2-methoxy-6-((methyl(2-(4-nitrophenyl)ethyl)amino)methyl)-
CDC25 Phosphatase Inhibitor I
BN82002
PTP Inhibitor XX

CATALOG #: B2371-5 5 mg
B2371-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉ H₂₅ N₃ O₄

MOLECULAR WEIGHT: 359.43

CAS NUMBER: 396073-89-5

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >50 mg/ml DMSO

DESCRIPTION: BN-82002 is a cell-permeable CDC25 Phosphatase Inhibitor. BN-82002 is a potent, cell-permeable, selective, and irreversible inhibitor of CDC25 phosphatase family (IC₅₀ = 2.4, 3.9, 6.3, 5.4, and 4.6 μM for 25A, 25B2, 25B3, 25C, and 25C-cat, respectively). BN-82002 inhibits the phosphatase activity of recombinant human CDC25A, B, and C in vitro. It impairs the proliferation of tumoral cell lines and increases cyclin-dependent kinase 1 inhibitory tyrosine phosphorylation.

REFERENCES: Ozsahin, M., et al. (2005). Clin. Cancer Res. 11, 7426-7433

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

RELATED PRODUCTS:

NSC-663284 (B1809)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***