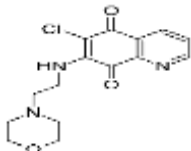


PRODUCT: NSC-663284**ALTERNATE NAME:** 6-Chloro-7-[[2-(4-morpholinyl)ethyl]amino]-5,8-quinolinedione**CATALOG #:** B1809-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₅H₁₆ClN₃O₃**MOLECULAR WEIGHT:** 321.76**CAS NUMBER:** 383907-43-5**APPEARANCE:** Red solid**SOLUBILITY:** DMSO (~ 15 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light

DESCRIPTION: NSC-663284 is a potent, selective and irreversible inhibitor of all Cdc25 isoforms, with preference for Cdc25A (IC₅₀ = 29, 95, and 89 nM for Cdc25A, Cdc25B2, and Cdc25C, respectively). Displays > 20- and > 450-fold selectivity over VHR and PTP1B phosphatases respectively. Arrests cells at both G₁ and G₂/M phase and blocks cdk2 and cdk1 activation. Blocks proliferation of a range of human tumor cell lines (IC₅₀ = 0.2 - 35 μM).

REFERENCES: Lazo, J.S., *et al.* (2001). *J. Med. Chem.* **44**, 4042-4049.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AEBSF, HCl (**Cat. No. 1644-200, 1G**)Aprotinin (**Cat. No. 4690-5, 100, 1000**)BCA Protein Quantitation Kit (**Cat. No. K812-1000**)Cytostatin sodium (**Cat. No. B1240-250**)E-64 (**Cat. No. 1739-5, 25**)EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail IV (**Cat. No. K282-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail I (50X) (**Cat. No. K273-1, set**)EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-set**)EZBlock™ Protease Inhibitor Cocktail III (**Cat. No. K278-set**)EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1, set**)EZBlock™ Protease Inhibitor Cocktail EDTA-Free (**Cat. No. K272-1, 5, set**)EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (**Cat. No. K290-1, set**)EZBlock™ Protease Inhibitor Cocktail VI, General Use (**Cat. No. K291-1, set**)EZBlock™ Protease Inhibitor Cocktail VII (**Cat. No. K292-1, set**)EZBlock™ Protease Inhibitor Cocktail VIII (**Cat. No. K293-1, set**)EZBlock™ Protease Inhibitor Cocktail IX (**Cat. No. K294-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (**Cat. No. K283-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1, set**)EZLys™ Bacterial Protein Extraction Reagent (**Cat. No. 8001-100, 500**)EZLys™ Lysozyme, Human (**Cat. No. 8005-1G, 5G**)Okadaic Acid (**Cat. No. 1543-025**)Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)Pepstatin A (**Cat. No. 1732-25, 100**)Protease Inhibitor Cocktail (**Cat. No. K271-500**)PMSF (**Cat. No. 1548-5**)Rubratoxin A (**Cat. No. B1239-250, 500**)SHP099 hydrochloride (**Cat. No. B1308-5,25**)Tautomycin (**Cat. No. B1237-10, 50**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**