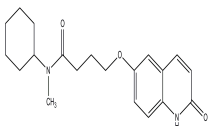


**PRODUCT: Cilostamide****ALTERNATE NAME:** N-Cyclohexyl-N-methyl-4-(1,2-dihydro-2-oxo-6-quinolyloxy)butyramide**CATALOG #:** 2560-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>20</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>**MOLECULAR WEIGHT:** 342.44**CAS No.** 68550-75-4**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from light and air**DESCRIPTION:** A selective type III phosphodiesterase-3 (PDE3) inhibitor. Displays limited selectivity for PDE3A versus PDE3B (IC<sub>50</sub> = 27 and 50 nM). This inhibitory effect increases intracellular cAMP and inhibits platelet aggregation. Cilostamide also blocks PKB/Akt signaling pathway downstream via inhibition of Akt-activated PDE3B.**REFERENCES:** Hidaka, H., *et al* (1979). *J. Pharmacol. Exp. Ther.* **211**, 26-30.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Apremilast (Cat. No. 2352-5, 25)

Cilostazol (Cat. No. 2393-5, 25)

IBMX (Cat. No. 1714-100)

Milrinone (Cat. No. 2163-5, 25)

PhosphoSeek™ PDE5 A Assay Kit (Cat. No. K705-400)

PDE3 Antibody (Cat. No. 3956-200)

(R,S)-Rolipram (Cat. No. 2010-5)

RO 20-1724 (Cat. No. 2042-50, 250)

Zaprinast (Cat. No. 1715-25)

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