

Catalog	Unit
TBI2584 -5MG	5 mg
TBI2584 -25MG	25 mg

Product Details

Formal Name: N-Cyclohexyl-N-methyl-4-(1,2-dihydro-2-oxo-6-quinolyloxy)butyramide.

Alternate Names: OPC-3689.

Molecular Formula: C₂₀H₂₆N₂O₃.

Formula Weight: 342.44.

CAS Number: 68550-75-4.

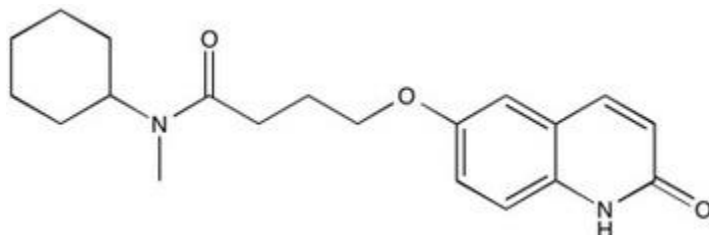
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO (up to 30 mg/ml).

Storage: Room Temperature.

Stability: ≥ 2 years.



Applications

Phosphodiesterase PDE3 inhibitor.

Functions

Selective inhibitor of phosphodiesterase-3 (PDE3). Displays limited selectivity for PDE3A versus PDE3B (IC₅₀ = 27 and 50 nM). Blocks PKB/Akt signaling pathway downstream via inhibition of Akt-activated PDE3B. Reverses the effect of leptin on food intake and body weight.

Application Procedures

Cilostamide can be first dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI2438	EHNA Hydrochloride, PDE2 and ADA Inhibitor
TBI1220	Anagrelide HCl, PDE3 Inhibitor
TBI1221	Sildenafil citrate, PDE5 Inhibitor
TBI1008	IBMX, PDE Inhibitor (Pan Specific)
TBI1126	Vinpocetine, PDE1 Inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor
TBI1014	RO 20-1724, PDE4 Inhibitor

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