# Cilostamide

## PDE inhibitor

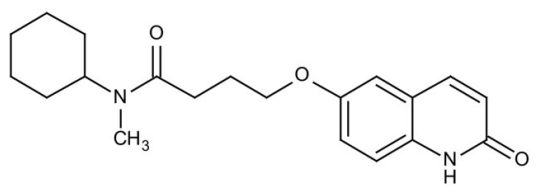
Phosphodiesterase PDE3 inhibitor ($IC_{50}$=5 nM). Blocks PKB/Akt signaling pathway by inhibition of Akt-activated PDE3B. Reverses the established effects of leptin on food intake and body weight. Blocks the leptin-induced tyrosine phosphorylation of STAT3 at the hypothalamic level.

**Citations:** 9 View Online »

## Ordering Information Order Online »

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|---|---|
| **BML-PD125-0005** | 5mg |
| **BML-PD125-0025** | 25mg |

## Manuals, SDS & CofA View Online »


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## Handling & Storage

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|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at room temperature. Stock solutions are stable for up to 3 months at -20°C. |
| **Handling** | Protect from light and oxygen. Packaged under inert gas. |
| **Long Term Storage** | Ambient |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | OCP 3689, OPS 3689, N-Cyclohexyl-N-methyl-4-(1,2-dihydro-2-oxo-6-quinolyloxy)butyramide |
| **Appearance** | White to off-white solid. |
| **CAS** | 68550-75-4 |
| **Couple Target** | PDE |
| **Couple Type** | Inhibitor |
| **Formula** | $C_{20}H_{26}N_2O_3$ |
| **Identity** | Determined by NMR. |
| **MW** | 342.4 |
| **Purity** | ≥98% (TLC) |
| **Solubility** | Soluble in DMSO (25mg/ml). |

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