

# Olprinone

**Catalog No: tcsc1190**



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

106730-54-5

**Formula:**

$C_{14}H_{10}N_4O$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Phosphodiesterase (PDE)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Loprinone

**Observed Molecular Weight:**

250.26

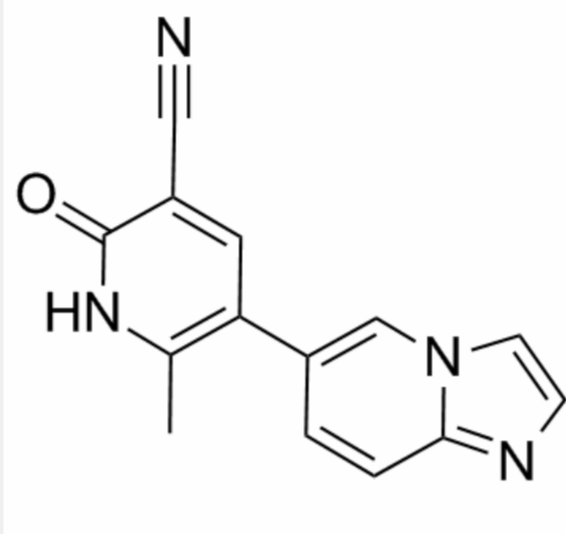
## Product Description

Olprinone(Loprinone) is a selective phosphodiesterase 3 (PDE3) inhibitor.

IC50 value:

Target: PDE3

Olprinone is used as cardiotoxic agent with positive inotropic and vasodilating effects. Olprinone has been reported to improve microcirculation and attenuate inflammation. Olprinone is often used to increase cardiac output after cardiopulmonary bypass (CPB). Olprinone was infused at a rate of 0.2  $\mu\text{g}/\text{kg}/\text{min}$  when weaning from CPB was started. Olprinone has also shown potent antioxidative and anti-inflammatory effects in the meconium-induced oxidative lung injury.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!