

# Avanafil

**Catalog No: tcsc2644**



## Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

330784-47-9

**Formula:**

$C_{23}H_{26}ClN_7O_3$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Phosphodiesterase (PDE)

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 50 mg/mL (103.32 mM; Need ultrasonic)

**Alternative Names:**

TA1790

**Observed Molecular Weight:**

483.95

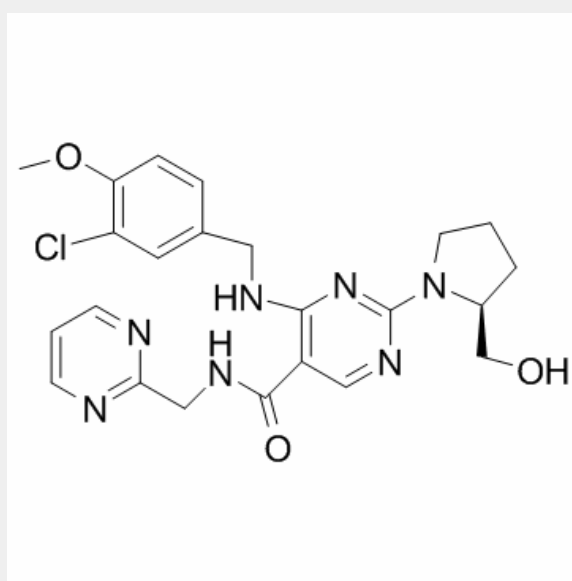
## Product Description

Avanafil(TA-1790) is a potent and highly selective phosphodiesterase-5(PDE-5) inhibitor(IC<sub>50</sub>=5.2 nM) for erectile dysfunction; lower selectivity against PDE1, PDE6, and PDE11.

IC<sub>50</sub> value: 5.2 nM [1]

Target: PDE5

Avanafil is highly selective toward PDE5 and against all other PDE isozymes tested. Lower selectivity against PDE1, PDE6, and PDE11 is consistent with results from randomized, placebo-controlled, phase 3 trials in which musculoskeletal and hemodynamic adverse events were reported in



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