

# Etravirine

Catalog No: tcsc0435



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

269055-15-4

**Formula:**

$C_{20}H_{15}BrN_6O$

**Pathway:**

Anti-infection;Anti-infection

**Target:**

Reverse Transcriptase;HIV

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

R165335;TMC125

**Observed Molecular Weight:**

435.28

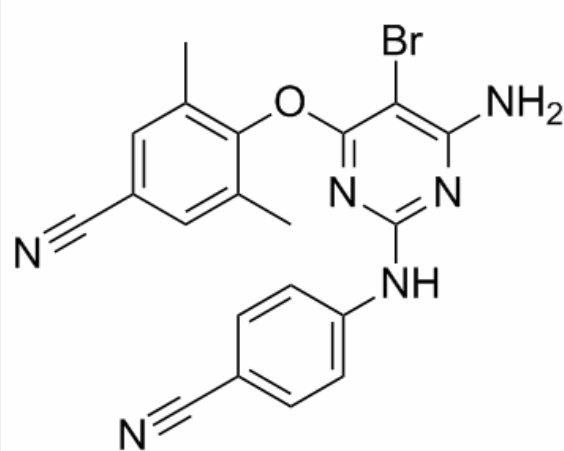
## Product Description

Etravirine is a non-nucleoside reverse transcriptase inhibitor (**NNRTI**) used for the treatment of HIV.

***In Vitro:***

TMC125 is highly active against wild-type HIV-1 (50% effective concentration [EC<sub>50</sub>]=1.4 to 4.8 nM) and shows some activity against HIV-2 (EC<sub>50</sub>=3.5 μM). TMC125 also inhibits a series of HIV-1 group M subtypes and circulating recombinant forms and a group O virus. TMC125 has activity for 19 viruses with EC<sub>50</sub> of [1].

***In Vivo:*** Etravirine has a high genetic barrier to the development of resistance. In phase IIb trials in treatment-experienced patients, including those infected with virus resistant to NNRTIs and protease inhibitors (PIs), TMC125 is active against HIV resistant to currently available NNRTIs, with a similar tolerability profile to that of the control group<sup>[2]</sup>.



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