



## **Etravirine**

Catalog No: tcsc0435

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## **Available Sizes**

Size: 10mg

Size: 50mg



## **Specifications**

**CAS No:** 

269055-15-4

Formula:

 $\mathrm{C_{20}H_{15}BrN_6O}$ 

**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 $_{50}$ ]=1.4 to 4.8 nM) and shows some activity against HIV-2 (EC $_{50}$ =3.5  $\mu$ M). 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 $_{50}$  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!