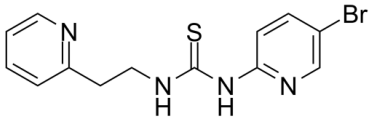
Data Sheet

Product Name:	Trovirdine
Cat. No.:	CS-5538
CAS No.:	149488-17-5
Molecular Formula:	C13H13BrN4S
Molecular Weight:	337.24
Target:	HIV
Pathway:	Anti-infection
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Trovirdine inhibits HIV-1 RT with an IC50 of 7 nM when employing heteropolymeric primer/template (oligo-DNA/ribosomal RNA)and dGTP as substrate. IC50 value: 7 nM Target: HIV-1 Trovirdine is currently in phase I clinical trials for potential use in thetreatment of AIDS.

References:

[1]. Zhang, H. et al. Inhibition of human immunodeficiency virus type 1 wild-type and mutant reverse transcriptases by the phenyl ethylthiazolyl thiourea derivatives trovirdine and MSC-127.

[2]. Cantrell, A.S. et al. Phenethylthiazolylthiourea (PETT) compounds as a newclass of HIV-1 reverse transcriptase inhibitors. 2. Synthesis and further structure-activity relationship studies of PETT analogs.

CAIndexNames:

Thiourea, N-(5-bromo-2-pyridinyl)-N'-[2-(2-pyridinyl)ethyl]-

SMILES:

S=C(NCCC1=NC=CC=C1)NC2=NC=C(Br)C=C2

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA