

## Trovirdine hydrochloride

## Chemical Properties

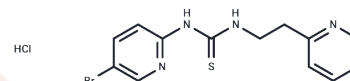
CAS No. : 148311-89-1

Formula: C<sub>13</sub>H<sub>14</sub>BrClN<sub>4</sub>S

Molecular Weight: 373.7

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Trovirdine hydrochloride is a reverse transcriptase inhibitor.
Targets(IC50)	Others,Reverse Transcriptase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6759 mL	13.3797 mL	26.7594 mL
5 mM	0.5352 mL	2.6759 mL	5.3519 mL
10 mM	0.2676 mL	1.338 mL	2.6759 mL
50 mM	0.0535 mL	0.2676 mL	0.5352 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Gavriliu D, Fossey C, Ciurea A, Delbederi Z, Sugeac E, Ladurée D, Schmidt S, Laumond G, Aubertin AM. Synthesis and anti-HIV activity of [d4U]-[troviridine analogue] and [d4T]-[troviridine analogue] heterodimers as inhibitors of HIV-1 reverse transcriptase. *Nucleosides Nucleotides Nucleic Acids*. 2002;21(8-9):505-33. PubMed PMID: 12484448.

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Zhang H, Vrang L, Bäckbro K, Lind P, Sahlberg C, Unge T, Oberg B. Inhibition of human immunodeficiency virus type 1 wild-type and mutant reverse transcriptases by the phenyl ethyl thiazolyl thiourea derivatives trovirdine and MSC-127. *Antiviral Res*. 1995 Dec;28(4):331-42. PubMed PMID: 8669892.

Uckun FM, Mao C, Pendergrass S, Maher D, Zhu D, Tuel-Ahlgren L, Venkatachalam TK. N-[2-(1-cyclohexenyl)ethyl]-N'-[2-(5-bromopyridyl)]-thiourea and N'-[2-(1-cyclohexenyl)ethyl]-N'-[2-(5-chloropyridyl)]-thiourea as potent inhibitors of multidrug-resistant human immunodeficiency virus-1. *Bioorg Med Chem Lett*. 1999 Sep 20;9(18):2721-6. PubMed PMID: 10509923.

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