



Product Information

Product ID E2003
CAS No. 154598-52-4
Chemical Name

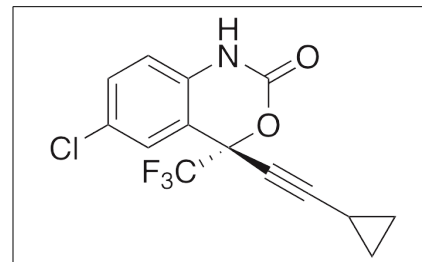
Synonym

Formula $C_{14}H_9ClF_3NO_2$
Formula Wt. 315.67
Melting Point 139-141 °C
Purity $\geq 99\%$
Solubility Ethanol (20 mg/ml), DMF
(20 mg/ml), DMSO (14
mg/ml)

Store Temp Ambient

Ship Temp Ambient

Description Efavirenz is a non-nucleoside reverse transcriptase inhibitor (NNRTI) that exhibits antiviral and anticancer activities. Efavirenz is clinically used to treat HIV infection; it induces autophagy in neurons, leading to some centrally mediated toxicity. In various cancer cell lines, efavirenz inhibits cellular proliferation and increases activation of p53.



Bulk quantities available upon request

Product ID	Size
E2003	5 mg
E2003	10 mg
E2003	25 mg
E2003	50 mg

References Schauer GD, Huber KD, Leuba SH, et al. Mechanism of allosteric inhibition of HIV-1 reverse transcriptase revealed by single-molecule and ensemble fluorescence. *Nucleic Acids Res.* 2015 Feb 1;42(18):11687-96. PMID: 25232099.

Purnell PR, Fox HS. Efavirenz induces neuronal autophagy and mitochondrial alterations. *J Pharmacol Exp Ther.* 2014 Nov;351(2):250-8. PMID: 25161171.

Hecht M, Harrer T, Büttner M, et al. Cytotoxic effect of efavirenz is selective against cancer cells and associated with the cannabinoid system. *AIDS.* 2013 Aug 24;27(13):2031-40. PMID: 23612009.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.