

Product Data Sheet

Product Name: Enviroxime

Cat. No.: GC47295

Chemical Properties

Cas. No. 72301-79-2

Chemical Name (1E)-[2-amino-1-[(1-methylethyl)sulfonyl]-1H-benzimidazol-6-yl]phenyl-methanone oxime

SMILES O/N=C(C1=CC=C(N=C(N)N2S(C(C)C)(=O)=O)C2=C1)\C3=CC=CC=C3

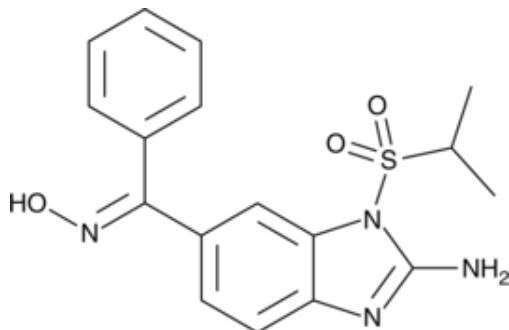
Formula C₁₇H₁₈N₄O₃S M.Wt 358.4

Solubility DMSO: soluble, Methanol: slightly, heated Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Enviroxime is an antiviral agent.[1] It inhibits coxsackievirus B3-, rhinovirus-, or poliovirus-induced

Caution: Product has not been fully validated for medical applications. For research use only.

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plaque formation in HeLa monolayer cell cultures when used at concentrations of 0.1, 1, and 10 µg/ml.1 Enviroxime (1 µg/ml) inhibits production of poliovirus PV1 viral RNA in HeLa monolayer cell cultures. It reduces viral titers in DRAW macrophages infected with the DA strain of Theiler's murine encephalomyelitis virus.[2]

Reference:

[1].Heinz, B.A., and Vance, L.M.The antiviral compound enviroxime targets the 3A coding region of rhinovirus and poliovirusJ. Virol.69(7)4189-4197(1995) 2.Steurbaut, S., Merckx, E., Rombaut, B., et al.Modulation of viral replication in macrophages persistently infected with the DA strain of Theiler's murine encephalomyelitis virusVirol. J.589(2008)

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