

Product Data Sheet

Product Name: Moroxydine hydrochloride

Cat. No.: GF07394

Chemical Properties

Cas. No. 3731-59-7

Formula $C_6H_{13}N_5O$

M.Wt 171.2

Solubility

Storage -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

Moroxydine (ABOB) is a broad-spectrum agent with multi-antiviral activities against DNA and RNA viruses, including influenza virus, herpes simplex, varicella zoster, measles, mumps disease, hepatitis C virus, etc. Moroxydine exhibits excellent antiviral activity and shows low cytotoxicity to cells infected by

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

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dsRNA viruses (grass carp reovirus, GCRV) and large DNA viruses (giant salamander iridovirus, GSIV). Moroxydine blocks the GCRV-induced cytopathic effects and eliminates nucleocapsids in ctenopharyngodon idella kidney (CIK) cells to keep the normal morphological structure. Moroxydine significantly inhibits the apoptosis, the caspase 3 activity, Bax expression and down-regulates Bcl-2 levels [1][2][3].

References:

[1]. Yu XB, et al. Moroxydine hydrochloride inhibits grass carp reovirus replication and suppresses apoptosis in Ctenopharyngodon idella kidney cells. Antiviral Res. 2016 Jul;131:156-65.

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