
Product Data Sheet

Product Name: WIN 54954

Cat. No.: GC63291

Chemical Properties

Cas. No. 107355-45-3

Formula $C_{18}H_{20}Cl_2N_2O_3$

M.Wt 383.27

Solubility DMSO : 100 mg/mL (260.91 mM; Need ultrasonic)

Storage 4°C, protect from light

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**

WIN 54954 is an orally active and broad-spectrum antipicornavirus agent. WIN 54954 is effectiveness against human rhinovirus, echovirus 9 and enterovirus infections[1][2].

WIN 54954 reduces plaque formation of 50 of 52 rhinovirus serotypes (MICs ranges from 0.007 to 2.2 $\mu\text{g/mL}$)[1]. WIN 54954 inhibits 15 commonly isolated enteroviruses, with an EC80 of 0.06 $\mu\text{g/mL}$ [1].

WIN 54954 (2-100 mg/kg; p.o.) protects 50% of the mice from developing paralysis following infection with coxsackievirus A-9 and echovirus-9 at the dose of 2 and 100 mg/kg, respectively[1].

[1]. Woods MG, et, al. In vitro and in vivo activities of WIN 54954, a new broad-spectrum antipicornavirus drug. Antimicrob Agents Chemother. 1989 Dec;33(12):2069-74.

[2]. Fechner H, et, al. Pharmacological and biological antiviral therapeutics for cardiac coxsackievirus infections. Molecules. 2011 Oct 11;16(10):8475-503.

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

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