

Product Data Sheet

Product Name: RSV-IN-1

Cat. No.: GC32213

Chemical Properties

Cas. No. 861139-16-4

SMILES O=S(C1=CC=C(OC)C(C2=NN=C3N2N=C(C)C4=C3C=CC=C4)=C1)(N(CCO)C)=O

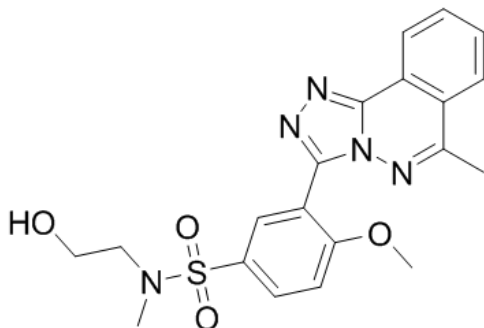
Formula $C_{20}H_{21}N_5O_4S$ M.Wt 427.48

Solubility DMSO : 125 mg/mL (292.41 mM); Water : < 0.1 mg/mL (insoluble) 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

RSV-IN-1 is a human respiratory syncytial virus (hRSV) inhibitor, with an IC₅₀ of 0.11 μM.

The concentration of P13 that reduces the number of RSV plaques in HEp-2 cells by 50% (IC₅₀) is 0.11 μM. The concentration of P13 that reduces the viability of HEp-2 by 50% (CC₅₀) is 310 μM. Note that some cytotoxicity of P13 observed at 500 μM might be due to DMSO solvent. Hence, the

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

selective index (CC50/IC50) values is 2818 for P13. Note that even at the relatively high concentrations P13 does not completely block the development of RSV plaques. These escape plaques are of smaller size and of non-syncytial phenotype as compared to plaques formed in the absence of inhibitor[1].

[1]. Lundin A, et al. Two novel fusion inhibitors of human respiratory syncytial virus. Antiviral Res. 2010 Dec;88(3):317-24.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA