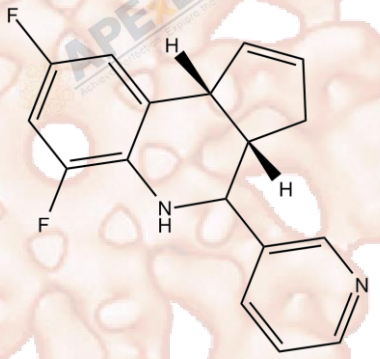
Product Data Sheet

Golgicide A



Cat. No.: B1385

CAS No.: 1139889-93-2

Formula: C17H14F2N2

M.Wt: 284.3

Synonyms:

Target: Membrane Transporter/Ion Channel

Pathway: ATPase

Storage: Store at -20°C

Solvent & Solubility

In Vitro

insoluble in H2O; ⩾12.95 mg/mL in DMSO; ⩾2.27 mg/mL in EtOH with ultrasonic

Preparing Stock Solutions

Concentration \ Mass / Solvent	1mg	5mg	10mg
1 mM	3.5174 mL	17.5871 mL	35.1741 mL
5 mM	0.7035 mL	3.5174 mL	7.0348 mL
10 mM	0.3517 mL	1.7587 mL	3.5174 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	GBF1 inhibitor, potent, reversible and highly specific
IC_{50} & Target	

In Vitro

Cell Viability Assay

Cell Line:	The human hepatoma cell line Huh7 (Huh7.5 cells were electroporated with the J6/JFH1 RNA and were transfected with an NS5A-encoding plasmid.)
Preparation method:	The solubility of this compound in DMSO is >13mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

	Reacting conditions:	10μM for 4, 24, and 48 h.
	Applications:	Treatment of cells with golgicide A, a drug that specifically inhibits GBF1, had been shown to decrease HCV (hepatitis C virus) RNA replication. Thus, golgicide A treatments diminished Arf1 (ADP-ribosylation factor 1) and HCV RNA levels in the JFH1-HCVcc cell system. In J6/JFH1 cells, some of the viral NS proteins migrated from speckle-like organelles to the peripheries of LDs in response to Arf1 inhibition by golgicide A treatment. Golgicide A treatments also decreased HCV RNA levels and cause redistribution of NS5A (a nonstructural protein) and accumulation of infectious viral particles.
In Vivo	**Animal experiment**	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Matto M, Sklan EH, David N., et al.Role for ADP ribosylation factor 1 in the regulation of hepatitis C virus replication. J Virol, 2011, 85(2): 946-956.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

7505 Fannin street, Suite 410, Houston, TX 77054.
Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com