

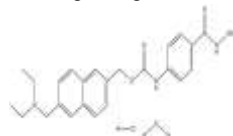
**PRODUCT: ITF2357**

**ALTERNATE NAME:** [6-(diethylaminomethyl)naphthalen-2-yl]methyl N-[4-(hydroxycarbamoyl)phenyl]carbamate hydrochloride, monohydrate; Givinostat

**CATALOG #:** 9431-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>·HCl·H<sub>2</sub>O

**MOLECULAR WEIGHT:** 475.97

**CAS NUMBER:** 732302-99-7

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (~30 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** ITF2357 is an orally active, hydroxamic-containing pan-histone deacetylase (HDAC) inhibitor with broad anti-inflammatory properties. ITF2357 inhibits both Class I and II HDACs and reduces caspase-1 activity in human peripheral blood mononuclear cells and the secretion of IL-1β and other cytokines at 25-100 nM.

**REFERENCES:** Tan, J., *et al.* (2010). *J. Hematol. Oncol.* Feb 4;3:5. doi: 10.1186/1756-8722-3-5.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

ACY-1215 (Cat. No. 2629-5, 25)  
 AR-42 (Cat. No. 2716-1,5)  
 CBHA (Cat. No. 2284-5, 10)  
 Chidamide (Cat. No. 2261-1, 5)  
 CI-994 (Cat. No. 1742-10, 50)  
 CUDC-101 (Cat. No. 1966-5, 25)  
 Depudecin (Cat. No. 2087-100)  
 DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851-6)  
 DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)  
 HC Toxin (Cat. No. 2728-500, 1000)  
 FK228 (Cat. No. 2447-1, 5)  
 LAQ824 (Cat. No. 2634-1,5)  
 M344 (Cat. No. 1701-1)  
 MGCD0103 (Cat. No. 2633-10, 50)  
 MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)  
 Nexturastat A (Cat. No. 2098-1)  
 Nullscript (Cat. No. 2186-1)  
 Oxamflatin (Cat. No. 2250-1, 5)  
 Panobinostat (LBH589) (Cat. No. 1612-1,5)  
 PCI 34051 (Cat. No. 2251-5, 25)  
 PXD101 (Cat. No. 2480-5, 25)  
 SAHA (Cat. No. 1604-1)  
 SB 939 (Cat. No. 2285-1, 5)  
 SBHA (Cat. No. 2202-50, 250)  
 Sodium 4-phenylbutyrate (Cat. No. 1608-100,1000)  
 Sodium Butyrate (Cat. No. 1609-1000)  
 Splitomycin (Cat. No. 1610-5)  
 Trichostatin A (Cat. No. 1606-1)  
 Tubacin (Cat. No. 1984-250, 1000)  
 Tubastatin A (Cat. No. 1724-1, 5)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**