

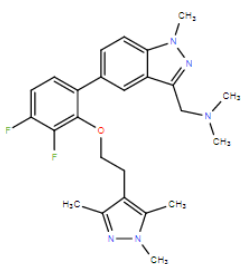
## Certificate of Analysis

Target	生物活性小分子>>Antibiotics and Antivirals>>Rhinovirus
Cat.No	DC10806
Name	IMP-1088

**Tel:** +86-21-58447131  
**Fax:** +86-21-61642470

**Email:**  
sales@dcchemicals.com  
order@dcchemicals.com

## Chemical Properties

CAS	2059148-82-0
Formula	C <sub>25</sub> H <sub>29</sub> F <sub>2</sub> N <sub>5</sub> O
MW	453.23
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The chemical structure of IMP-1088 is a complex molecule. It features a central benzimidazole ring system. One of the benzimidazole nitrogens is substituted with a dimethylamino group (-N(CH<sub>2</sub>)<sub>2</sub>CH<sub>3</sub>). The benzimidazole ring is connected via an ether linkage (-O-) to a 2,4-difluorophenyl ring. This phenyl ring is further substituted with a methyl group (-CH<sub>3</sub>) and a propyl chain (-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-). The propyl chain is attached to a 1,2,4-triazole ring, which is substituted with two methyl groups (-CH<sub>3</sub>) and a dimethylamino group (-N(CH<sub>2</sub>)<sub>2</sub>CH<sub>3</sub>).</p>
Purity	>98%

**Website:**  
www.dcchemicals.com