

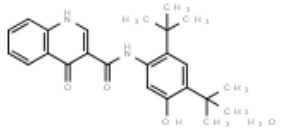
## Certificate of Analysis

Target	Inhibitors & Agonists>>Others>>Other Targets
Cat.No	DC24116
Name	Ivacaftor hydrate

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

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

## Chemical Properties

CAS	1134822-07-3
Formula	C <sub>24</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub>
MW	410.506
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The image shows the chemical structure of Ivacaftor hydrate. It consists of a 1,2,4-triazole ring system fused to a benzene ring. The triazole ring has a carbonyl group at position 5 and a methyl group at position 4. The benzene ring has a methyl group at position 7 and a 2,4,6-trimethylphenylamino group at position 3. The 2,4,6-trimethylphenylamino group is shown with its methyl groups explicitly labeled as CH<sub>3</sub>. The entire structure is associated with a water molecule (H<sub>2</sub>O) as indicated by the hydrate name.</p>
Purity	>98%

**Website:**  
www.dcchemicals.com