

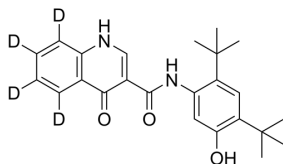
## Ivacaftor-d4

Cat. No.: HY-13017S3  
Batch No.: 256702  
Chemical Name: (5,6,7,8-Tetradeuterio-N-(2,4-ditert-butyl-5-hydroxyphenyl)-4-oxo-1H-quinoline-3-carboxamide)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{24}H_{24}D_4N_2O_3$   
Molecular Weight: 396.52  
Storage: 4°C, sealed storage, away from moisture  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
Purity:  $\geq 96.0\%$   
Isotopic Enrichment: 95.34%  
Conclusion: The product has been tested and complies with the given specifications.

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

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