

Certificate of Analysis

Catalog Number	BP13601
Product Name	H-1152 dihydrochloride

Physical and Chemical Properties

Synonyms	H-1152 2HCl
CAS No.	871543-07-6
Chemical Formula	C16H23Cl2N3O2S
Molecular Weight	392.34
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	HN $O=S=O$ $H-CI$ $H-CI$ $H-CI$

Product Information

Targets&IC50	ROCK2 (Cell-free assay):0.0120 μM, PKG (Cell-free assay):0.360 μM, Aurora A (Cell-free assay):0.745 μM, CaMK2 (Cell-free assay):0.180 μM, PKA (Cell-free assay):3.03 μM
In vitro	H-1152 dihydrochloride is an inhibitor of Rho-kinase, with an IC50 of 12 nM for ROCK2. H-1152 (H-1152P) also shows less inhibitory activities against CaMKII, PKG, AuroraA, PKA, Src, PKC, MLCK, Abl, EGFR, MKK4, GSK3 α , AMPK, and P38 α , with IC50s of 0.180, 0.360, 0.745, 3.03, 3.06, 5.68, 28.3, 7.77, 50.0, 16.9, 60.7, 100, and 100 μ M, respectively.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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