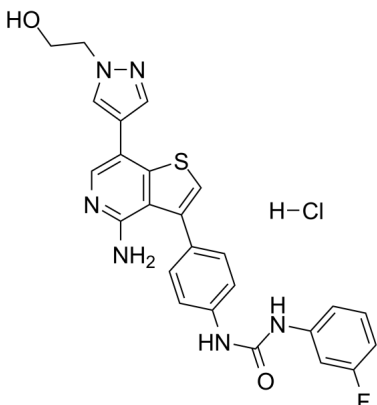


Certificate of Analysis

Catalog Number	BP13272
Product Name	Ilorasertib hydrochloride

Physical and Chemical Properties

Synonyms	ABT-348 hydrochloride
CAS No.	1847485-91-9
Chemical Formula	C ₂₅ H ₂₂ ClFN ₆ O ₂ S
Molecular Weight	525
Solubility	DMSO: 41.67 mg/mL (79.37 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Ilorasertib hydrochloride (ABT-348 hydrochloride) is an ATP-competitive multitargeted kinase inhibitor, which inhibits Aurora C, Aurora B, and Aurora A (IC50s: 1 nM, 7 nM, 120 nM). It also suppresses RET tyrosine kinase, PDGFR β , and Flt1 (IC50s: 7 nM, 3 nM, and 32 nM).
Targets&IC50	FLT3:1 nM, c-Kit:20 nM, Aurora A:120 nM, PDGFR β :13 nM, Aurora B (Y156H):12 nM, Aurora B:7 nM, PDGFR α :11 nM, CSF-1R:3 nM, Aurora C:1 nM, VEGFR1:1 nM, VEGFR3:43 nM, VEGFR2:2 nM

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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