


Certificate of Analysis

Catalog Number	BP13230
Product Name	GDC0575 monohydrochloride

Physical and Chemical Properties

Synonyms	GDC0575, ARRY-575, GDC-0575, GDC 0575, ARRY575
CAS No.	1196504-54-7
Chemical Formula	C ₁₆ H ₂₁ BrClN ₅ O
Molecular Weight	414.73
Solubility	DMSO: 60 mg/ml (144.67 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	GDC-0575 is a potent and selective inhibitor of cell cycle checkpoint kinase 1 (Chk1) with an IC ₅₀ of 1.2 nM. GDC-0575 specifically binds to and inhibits Chk1; this may result in tumor cells bypassing Chk1-dependent cell cycle arrest in the S and G2/M phases, which permits the cells to undergo DNA repair prior to entry into mitosis.
Targets&IC ₅₀	Chk1:1.2 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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