

## Product Datasheet

### Binimetinib (orb1305378)

<b>Catalog Number</b>	orb1305378
<b>Category</b>	Small Molecules
<b>Description</b>	Binimetinib (ARRY-162) is an orally bioavailable, selective MEK1/2 inhibitor (IC50=12 nM). It exhibits antitumor activity and is used in research for unresectable or BRAF V600E/K mutant metastatic melanoma. Its application extends to in vitro signaling studies and in vivo xenograft models investigating MAPK pathway inhibition.
<b>Target</b>	Kinase
<b>Form/Appearance</b>	powder
<b>Purity</b>	>98%
<b>MW</b>	441.23
<b>Biological Activity</b>	MEK1/2 inhibitor
<b>Target Areas</b>	MEK Autophagy
<b>Solubility (25°C)</b>	Soluble in DMSO (up to at least 25 mg/ml)
<b>CAS Number</b>	606143-89-9
<b>Formula</b>	$C_{17}H_{15}BrF_2N_4O_3$
<b>SMILES</b>	<chem>Cn1cnc2c(F)c(Nc3ccc(Br)cc3F)c(cc12)C(=O)NOCCO</chem>
<b>Chemical Name</b>	6-(4-Bromo-2-fluoroanilino)-7-fluoro-N-(2-hydroxyethoxy)-3-methylbenzimidazole-5-carboxamide
<b>Storage</b>	-20°C

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**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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