

## Binimetinib, MEK1/2 inhibitor

Catalog	Unit
TBI4789-5MG	5 mg
TBI4789-25MG	25 mg

### Product Details

**Formal Name:** 6-(4-Bromo-2-fluoroanilino)-7-fluoro-N-(2-hydroxyethoxy)-3-methylbenzimidazole-5-carboxamide

**Alternate Names:** ARRY-162; MEK162

**Molecular Formula:** C<sub>17</sub>H<sub>15</sub>BrF<sub>2</sub>N<sub>4</sub>O<sub>3</sub>

**Formula Weight:** 441.23

**CAS Number:** 606143-89-9

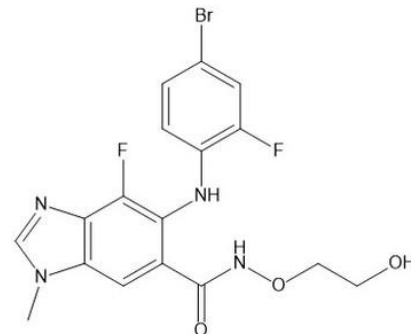
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to at least 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

MEK1/2 inhibitor

### Functions

Binimetinib (606143-89-9) is a potent (IC<sub>50</sub> = 12 nM) and selective allosteric inhibitor of MEK1/2. Recently approved by the FDA for treatment of melanoma in combination with Encorafenib. Binimetinib has had limited success as monotherapy but has shown promise in combination with other chemotherapeutic agents.

### Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**