

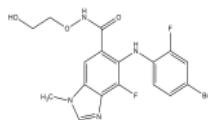
PRODUCT: MEK-162

ALTERNATE NAME: 5-[(4-Bromo-2-fluorophenyl)amino]-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzimidazole-6-carboxamide; ARRY-162; MEK 162

CATALOG #: 2254-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₅BrF₂N₄O₃

MOLECULAR WEIGHT: 441.23

CAS NUMBER: 606143-89-9

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~100 mM)

PURITY: ≥98% by HPLC

STORAGE: At -20° C. Protect from light and moisture

DESCRIPTION: Cell-permeable. A potent, non-ATP competitive inhibitor of MEK1/2 (IC₅₀ = 12 nM) and cellular pERK (IC₅₀ = 11 nM). Selective against a panel of other 220 kinases (displays no activity even at 10 μM).

REFERENCE: Lee, P.A., *et al.* (2012). *Cancer Res.* **70**, Supplement 1

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Alsterpaullone (Cat. No. 1897-1,5)
- AZD-6244 (Cat. No. 2234-5, 25)
- Butyrolactone I (Cat. No. 1690-200)
- Doramapimod (Cat. No. 1954-5, 25)
- Flavopiridol (Cat. No. 2090-1, 5)
- 10Z-Hymenialdisine (Cat. No. 2212-250, 1000)
- Kenpaullone (Cat. No. 1904-1)
- PD1834352 (CI-1040) (Cat. No. 1585-1,5,25)
- EZSolution™ PD184352 (Cat. No. 1871-1)
- PD325901 (Cat. No. 1643-2, 5, 25)
- PD98059 (Cat. No. 1666-5)
- EZSolution™ PD98059 (Cat. No. 1783-5)
- RO-3306 (Cat. No. 2039-1,5)
- Roscovitine (Cat. No. 1950-1,5)
- SB 203580 (Cat. No. 1712-1, 5)
- EZSolution™ SB203580 (1786-1)
- Sorafenib (Cat. No. 1594-25, 100)
- TG003 (Cat. No. 1905-5, 25)
- 7, 3', 4'-Trihydroxyisoflavone (1886-25, 100)
- U0126 (Cat. No. 1668-5)
- VX-702 (Cat. No. 1598-1,5)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**