

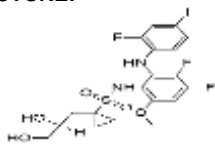
**PRODUCT: Refametinib**

**ALTERNATE NAME:** N-[3,4-difluoro-2-(2-fluoro-4-iodoanilino)-6-methoxyphenyl]-1-[(2S)-2,3-dihydroxypropyl]cyclopropane-1-sulfonamide; BAY 86-9766

**CATALOG NUMBER:** B1889-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>19</sub>H<sub>20</sub>F<sub>3</sub>IN<sub>2</sub>O<sub>5</sub>S

**MOLECULAR WEIGHT:** 572.34

**CAS NUMBER:** 923032-37-5

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (>5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Refametinib (BAY 86-9766; previously RDEA119) is a highly selective and potent orally available inhibitor of MEK 1 and MEK 2. It displays potent *in vitro* and *in vivo* antitumor activity in multiple preclinical cancer models, including melanoma, colorectal cancer, non-small cell lung cancer, epidermal carcinoma, and HCC.

**REFERENCES:** Schmieder, R., *et al.* (2013). *Neoplasia* **15**, 1161-1171.

**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)  
 BIX01289 (Cat. No. 2670-1,5)  
 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)  
 MEK-162 (Cat. No. 2254-5, 25)  
 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)  
 Refametinib (Cat. No. B1889-5,25)  
 RO-3306 (Cat. No. 2039-1,5)  
 Roscovitine (Cat. No. 1950-1,5)  
 SB 203580 (Cat. No. 1712-1, 5)  
 EZSolution™ SB203580 (1786-1)  
 SB202190 (Cat. No. 2493-5, 25)  
 Sorafenib (Cat. No. 1594-25, 100)  
 TAK733 (Cat. No. 2460-5, 25)  
 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 USE ONLY! Not to be used in humans**