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## AG-1517

产品编号: D51039

CAS: 153436-54-5

分子式: C<sub>16</sub>H<sub>14</sub>BrN<sub>3</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>16</sub>H<sub>14</sub>BrN<sub>3</sub>O<sub>2</sub>/c1-21-14-7-12-13(8-15(14)22-2)18-9-19-16(12)20-11-5-3-4-10(17)6-11/h3-9H,1-2H<sub>3</sub>,11H,18,19,20

InChi Key: LSPANGZZENHZNJ-UHFFFAOYSA-N

Smiles: COC1C=C2C(NC3=CC(Br)=CC=C3)=NC=NC2=CC=1OC

外观: 固体粉末

作用通路: EGFR

溶解性: Soluble in DMSO, not soluble in water.

保存条件: Store in dry, dark place for one year.

产品介绍: AG-1517 is a ATP-competitive EGFR inhibitor with an IC<sub>50</sub> and K<sub>i</sub> of 25 and 6 pM. PD153035 effectively blocks the enhancement of mitogenesis, induction of early gene expression, and oncogenic transformation that occur in response to EGF receptor stimulation. With human fibroblasts and epidermoid carcinoma cells, PD153035 at nanomolar concentrations rapidly inhibits EGFR autophosphorylation. With breast and ovarian cancer cells, PD153035 not only blocks cell growth via inhibition of EGFR, but also upregulates the expression of the tumor suppressor retinoic acid receptor-beta 2 (RAR-beta2).