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## AC55541

产品编号: D50999

CAS: 916170-19-9

分子式: C<sub>25</sub>H<sub>20</sub>BrN<sub>5</sub>O<sub>3</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>25</sub>H<sub>20</sub>BrN<sub>5</sub>O<sub>3</sub>/c1-15(17-10-7-11-18(26)14-17)28-31-25(34)22(27-23(32)16-8-3-2-4-9-16)21-19-12-5-6-13-20(19)24(33)30-29-21/h2-14,22H,1H3,(H,27,32)(H,30,33)(H,31,34)/b28-15+

InChi Key: UCUHFWIFSHROPY-RWPZCVJISA-N

Smiles: C/C(=N\NC(=O)C(NC(=O)C1C=CC=CC=1)C1=NNC(=O)C2=CC=CC=C21)/C1=CC(Br)=CC=C1

外观: 固体粉末

作用通路: Protease-Activated Receptor (PAR)

溶解性: DMSO: ≥51 mg/mL

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

产品介绍: AC-55541 is a protease-activated receptor (PAR) 2 agonist. AC-55541 activated PAR2 signaling in cellular proliferation assays, phosphatidylinositol hydrolysis assays, and Ca<sup>2+</sup> mobilization assays, with potencies ranging from 200 to 1000 nM. AC-55541 was well absorbed when administered intraperitoneally to rats, each reaching micromolar peak plasma concentrations. AC-55541 was stable to metabolism by liver microsomes and maintained sustained exposure in rats, with elimination half-lives of 6.1. Systemic administration of either AC-55541 or AC-264613 produced a similar degree of hyperalgesia as was observed when the compounds were administered locally. AC-55541 may be useful in probing the physiological functions of PAR2 receptors.