

Product Information

p38-MAPK inhibitor AMG 548, Purity ≥98%

Cat. No.: X23-10-ZQ892

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 864249-60-5

Compound CID: 11167112

Synonym: AMG-548; 864249-60-5; AMG 548; ChEMBL585902; PGR0H53114;

4(3*H*)-Pyrimidinone,

2-(((2*S*)-2-amino-3-phenylpropyl)amino)-3-methyl-5-(2-naphthalenyl)-6-(4-pyridinyl)-;

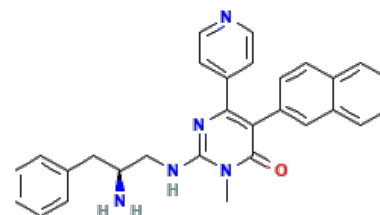
2-[[

)-2-A

mino-3-ph

enylpropyl]amino]-3-methyl-5-(2-naphthalenyl)-6-(4-pyridinyl)-4(3*H*)-pyrimidinone;

p38-MAPK inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	AMG 548 targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates.
Molecular Weight	461.56
Molecular Formula	C ₂₉ H ₂₇ N ₅ O
IUPAC Name	2-[[[(2 <i>S</i>)-2-Amino-3-phenylpropyl]amino]-3-methyl-5-naphthalen-2-yl-6-pyridin-4-yl]pyrimidin-4-one
InChI	InChI=1S/C29H27N5O/c1-34-28(35)26(24-12-11-21-9-5-6-10-23(21)18-24)27(22-13-15-31-16-14-2)33-29(34)32-19-25(30)17-20-7-3-2-4-8-20/h2-16,18,25H,17,19,30H2,1H3,(H,32,33)/t25-/m0/s1
InChI Key	RQVKVJIRFKVPBF-VWLOTQADSA-N
Canonical SMILES	CN1C(=O)C(=C(N=C1NCC(CC2=CC=CC=C2)N)C3=CC=NC=C3)C4=CC5=CC=CC=C5C=C4
Isomeric SMILES	CN1C(=O)C(=C(N=C1NC[C@H](CC2=CC=CC=C2)N)C3=CC=NC=C3)C4=CC5=CC=CC=C5C=C4
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

AMG 548 can be used to investigate the inhibition of p38 α MAP kinase and its therapeutic potential in inflammation.

Storage

Store at -20°C.
