
PYR-41

产品编号: D50865

CAS: 418805-02-4

分子式: C₁₇H₁₃N₃O₇

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₃N₃O₇/c1-2-26-17(23)10-3-5-11(6-4-10)19-16(22)13(15(21)18-19)9-12-7-8-14(27-12)20(24)25/h3-9H,2H₂,1H₃,(H,18,21)/b13-9-

InChi Key: ARGIPZKQJGFSGQ-LCYFTJDESA-N

Smiles: CCOC(=O)C1C=CC(=CC=1)N1NC(=O)/C(=C/C2=CC=C(O2)[N+](O-)=O)/C1=O

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100 mM

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

产品介绍: PYR-41 is a ubiquitin-activating enzyme inhibitor (UBE1 inhibitor). PYR-41 blocks ubiquitination reactions but paradoxically leads to the accumulation of high MW ubiquitinated proteins. PYR-41 also mediated cross-linking of specific protein kinases (Bcr-Abl, Jak2) to inhibit their signaling activity. PYR-41 has demonstrated anti-tumor activity in animal studies, partially selective protein cross-linking may represent an alternate approach to affect signal transduction modules and ubiquitin cycle-regulatory proteins for cancer therapy. (Biochem Pharmacol. 2011 Aug 15;82(4):341-9.) (Note: PYR-41 in solution may exist as a mixture of E- and Z- isomers. HPLC may show two peaks depending on conditions).