

Product Information

ERK inhibitor FR 180204, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ862

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

MDL: MFCD14585805

CAS Number: 865362-74-9

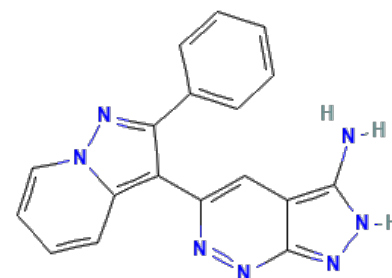
Compound CID: 11493598

Synonym: 865362-74-9; FR 180204; FR-180204; ERK inhibitor II;

5-(2-PHENYLPYRAZOLO[1,5-A]PY

RIDIN-3-YL)-1*H*-PYRAZOLO[3,4-C]PYRIDAZIN-3-AMINE;

5-(2-Phenylpyrazolo[1,5-a]pyridin-3-yl)-2*H*-pyrazolo[3,4-c]pyridazin-3-amine; ERK inhibitor



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

Product Information

Description	FR 180204, soluble in DMSO and warmed ethanol and insoluble in water, exhibits potent inhibition of ERK kinase. It targets ERK2 and ERK1.
Molecular Weight	327.34
Molecular Formula	C ₁₈ H ₁₃ N ₇
Targets	ERK2: 0.14 μ M (Ki); ERK1: 0.31 μ M (Ki)
IUPAC Name	5-(2-Phenylpyrazolo[1,5-a]pyridin-3-yl)-2 <i>H</i> -pyrazolo[3,4-c]pyridazin-3-amine
InChI	InChI=1S/C18H13N7/c19-17-12-10-13(20-22-18(12)23-21-17)15-14-8-4-5-9-25(14)24-16(15)11-6-2-1-3-7-11/h1-10H,(H3,19,21,22,23)
InChI Key	XVECMUKVOMUNLE-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)C2=NN3C=CC=CC3=C2C4=CC5=C(NN=C5N=N4)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 57 mg/mL (174.13 mM); Water: Insoluble; Warmed ethanol: 2 mg/mL (6.1 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	FR180204 can be applied to investigate the inhibition of ERK1/2 activity in cellular signaling



research.

Storage

Store at -20°C.
