



Product Information

Bcr-Abl inhibitor DPH, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ447

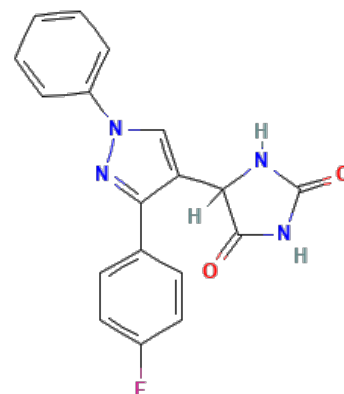
Size: 10 mg; 25 mg; 100 mg; 200 mg

CAS Number: 484049-04-9

Compound CID: 660311

Synonym: 484049-04-9; Bcr-Abl inhibitor

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



Product Information

Description	DPH specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
Molecular Weight	336.33
Molecular Formula	C ₁₈ H ₁₃ FN ₄ O ₂
IUPAC Name	5-[3-(4-Fluorophenyl)-1-phenylpyrazol-4-yl]imidazolidine-2,4-dione
InChI	InChI=1S/C18H13FN4O2/c19-12-8-6-11(7-9-12)15-14(16-17(24)21-18(25)20-16)10-23(22-15)13-4-2-1-3-5-13/h1-10,16H,(H2,20,21,24,25)
InChI Key	MPQWYPLPWGUMJE-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)N2C=C(C(=N2)C3=CC=C(C=C3)F)C4C(=O)NC(=O)N4
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	DPH is explored to hamper the proliferation signal in leukemia cells, contributing to anti-leukemic approaches.
Storage	Store at -20°C, and keep desiccated.