



## Product Information

### Bcr-Abl inhibitor DPH, Purity ≥98%

**Cat. No.:** X24-06-ZQ447

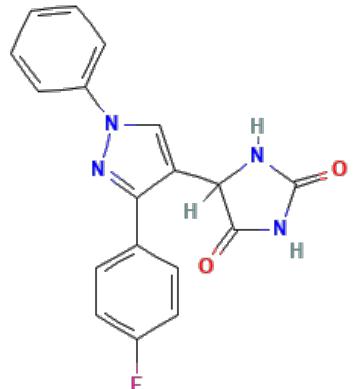
**Size:** 10 mg; 25 mg; 100 mg; 200 mg

**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

<b>Description</b>	DPH specifically inhibits the activity of the Bcr-Abl tyrosine kinase.
<b>Molecular Weight</b>	336.33
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>13</sub> FN <sub>4</sub> O <sub>2</sub>
<b>IUPAC Name</b>	5-[3-(4-Fluorophenyl)-1-phenylpyrazol-4-yl]imidazolidine-2,4-dione
<b>InChI</b>	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)
<b>InChI Key</b>	MPQWYPLPWGUMJE-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC=C(C=C1)N2C=C(C(=N2)C3=CC=C(C=C3)F)C4C(=O)NC(=O)N4
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	DPH is explored to hamper the proliferation signal in leukemia cells, contributing to anti-leukemic approaches.
<b>Storage</b>	Store at -20°C, and keep desiccated.