

## Product Information

### p38-MAPK inhibitor FR 167653 free base, Purity $\geq 98\%$

**Cat. No.:** X23-10-ZQ916

**Size:** 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

**CAS Number:** 158876-65-4

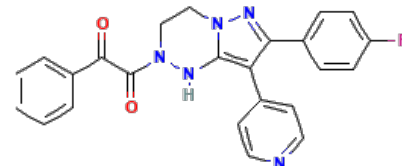
**Compound CID:** 135444724

**Synonym:** FR 167653 free base; 158876-65-4;

1-[7-(4-Fluorophenyl)-8-pyridin-4-yl]-3

,4-dihydro-1*H*-pyrazolo[5,1-*c*][1,2,4]triazin-2-yl]-2-phenylethane-1,2-dione;

FR167653freebase; SCHEMBL7489352; p38-MAPK inhibitor



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

#### Product Information

|                          |   |
|--------------------------|---|
| <b>Description</b>       | FR 167653 free base targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates.                  |
| <b>Molecular Weight</b>  | 427.43  |
| <b>Molecular Formula</b> | C <sub>24</sub> H <sub>18</sub> FN <sub>5</sub> O <sub>2</sub>  |
| <b>IUPAC Name</b>        | 1-[7-(4-Fluorophenyl)-8-pyridin-4-yl]-3,4-dihydro-1 <i>H</i> -pyrazolo[5,1- <i>c</i> ][1,2,4]triazin-2-yl]-2-phenylethane-1,2-dione           |
| <b>InChI</b>             | InChI=1S/C24H18FN5O2/c25-19-8-6-17(7-9-19)21-20(16-10-12-26-13-11-16)23-28-30(15-14-29(23)27-21)24(32)22(31)18-4-2-1-3-5-18/h1-13,28H,14-15H2 |
| <b>InChI Key</b>         | LDBDQDCZGRCZED-UHFFFAOYSA-N   |
| <b>Canonical SMILES</b>  | C1CN(NC2=C(C(=NN21)C3=CC=C(C=C3)F)C4=CC=NC=C4)C(=O)C(=O)C5=CC=CC=C5   |
| <b>Form</b>              | Lyophilized powder  |
| <b>Purity</b>            | $\geq 98\%$   |
| <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>Applications</b>      | FR 167653 free base is used to investigate its effects on inflammation and fibrosis through inhibition of p38 MAP kinase.                     |
| <b>Storage</b>           | Store at -20°C.   |