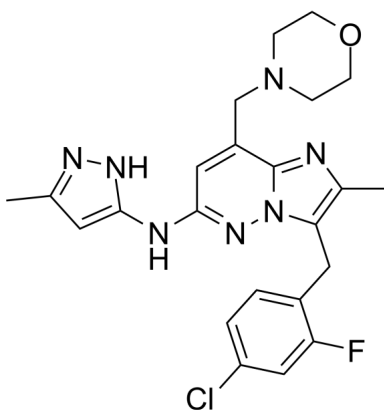


Data Sheet

Product Information

Catalog Number	BP10270
Product Name	Gandotinib
Description	LY2784544(Gandotinib) is a potent JAK2 inhibitor (IC ₅₀ : 3 nM), effective in JAK2V617F(Ki: 0.245 nM). The selectivity is higher 8- and 20-fold than JAK1 and JAK3.
Targets&IC ₅₀	JAK2: 3 nM, JAK2V617F: 0.245 nM(Ki)
In vitro	LY2784544 is dissolved in DMSO and stored, and then diluted with appropriate medium before use. Ba/F3 cells expressing JAK2V617F are placed in RPMI-1640-containing vehicle (DMSO) or LY2784544 (concentration range, 0.001-20 μ M) (1 $\times$ 10 ⁴ cells/96-well). Ba/F3 cells expressing wild-type JAK2 are treated similarly except IL-3 (2 ng/mL) is added. After a 72-hour incubation, cell proliferation is assessed by adding Cell Titer 96 Aqueous One Solution Reagent (20 μ L/well). The IC ₅₀ for inhibition of cell proliferation is calculated using the GraphPad Prism 4 software.
Synonyms	LY2784544
CAS No.	1229236-86-5
Chemical Formula	C ₂₃ H ₂₅ ClFN ₇ O
Molecular Weight	469.95
Solubility	Ethanol: 9 mg/mL (19.15 mM) H ₂ O: <1 mg/mL; DMSO: 87 mg/mL (185.1 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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