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**Product Data Sheet**

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Product Name: Atiprimod dihydrochloride

Cat. No.: GC50066

**Chemical Properties**

Cas. No. 130065-61-1

SMILES CCCC1(CCC)CCC2(CN(CCCN(CC)CC)CC2)CC1.Cl.ClFormula  $C_{22}H_{44}N_2 \cdot 2HCl$  M.Wt 409.52

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

JAK2 inhibitor (IC<sub>50</sub> = 397 nM). Also inhibits STAT3 and STAT5 phosphorylation. Inhibits cell growth and induces apoptosis in cells expressing the JAK2V617F mutation.

Manshoury et al (2011) Bone marrow stroma-secreted cytokines protect JAK2(V617F)-mutated cells from the effects of a JAK2 inhibitor. Cancer Res. 71 3831 PMID:21512135  
|Quintás-Cardama et al (2011) Preclinical characterization of atiprimod, a novel JAK2 AND JAK3 inhibitor. Invest. New Drugs 29 818 PMID:20372971

**Caution: Product has not been fully validated for medical applications. For research use only.**

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