



LKT Laboratories, Inc.

GSK-1070916

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## Product Information

Product ID G7444

CAS No. 942918-07-2

### Chemical Name

Synonym GSK1070916

Formula  $C_{30}H_{33}N_7O$

Formula Wt. 507.63

### Melting Point

Purity  $\geq 98\%$

Solubility DMSO 93 mg/mL (183.2 mM)

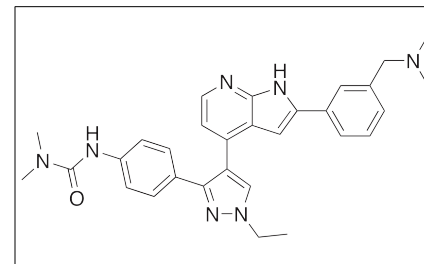
Ethanol 8 mg/mL (15.75 mM)

Water Insoluble

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** GSK-1070916 is an inhibitor of aurora kinases B and C (AurB/C) that exhibits anticancer chemotherapeutic activity. GSK-1070916 prevents AurB from phosphorylating serine 10 of histone H3. In cellular and animal models of lung cancer, GSK-1070916 inhibits cellular proliferation and induces tumor regression. In models of colon cancer, breast cancer, and leukemia, this compound inhibits cell division, induces apoptosis, and suppresses tumor growth.



**Bulk quantities available upon request**

Product ID	Size
G7444	1 mg
G7444	5 mg
G7444	10 mg

**References** Adams ND, Adams JL, Burgess JL, et al. Discovery of GSK1070916, a potent and selective inhibitor of Aurora B/C kinase. *J Med Chem.* 2010 May 27;53(10):3973-4001. PMID: 20420387.

Hardwicke MA, Oleykowski CA, Plant R, et al. GSK1070916, a potent Aurora B/C kinase inhibitor with broad antitumor activity in tissue culture cells and human tumor xenograft models. *Mol Cancer Ther.* 2009 Jul;8(7):1808-17. PMID: 19567821.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.