Product Datasheet

ZM 449829

Catalog No. **BP-01476** · CAS **4452-06-6** · Form **free base** · Physical state **solid** · Color **white to off-white** · Version **1.0** · Revision **2026-09-11**

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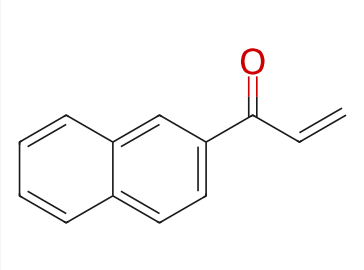
Target	Research area
JAK; EGFR	**Inflammation/Immunology**

Molecular formula	**$C_{13}H_{10}O$**
Molecular weight	**182.2179**

STRUCTURE



DESCRIPTION

ZM 449829 is a potent, selective and ATP competitive inhibitor of JAK3, with a pIC50 of 6.8. ZM 449829 will be useful pharmacological tools for the investigation of the JAK3 .

BIOLOGICAL ACTIVITY

In Vitro
ZM 449829 (compound 22) is a very weak inhibitors of EGF-R (pIC50=5.0) , Jak1 (pIC50=4.7), and tyrosine kinases Lck and CDK4 (pIC50 <5.0).
ZM449829 (1 μM; 30 minutes) blocks IL-2-induced STAT5 phosphorylation

SOLUBILITY

soluble in DMSO

In vitro	DMSO : 100 mg/mL

REFERENCES

[1]. Brown GR, et, al. Naphthyl ketones: a new class of Janus kinase 3 inhibitors. Bioorg Med Chem Lett. 2000 Mar 2010(6)575-9.

[2]. Orange JS, et, al. IL-2 induces a WAVE2-dependent pathway for actin reorganization that enables WASp-independent human NK cell function. J Clin Invest. 2011 Apr; 121(4): 1535-48.