
Product Data Sheet

Product Name: ZM 449829

Cat. No.: GC15125

Chemical Properties

Cas. No. 4452-06-6

Chemical Name 1-(naphthalen-2-yl)prop-2-en-1-one

SMILES O=C(C=C)C1=CC2=C(C=C1)C=CC=C2Formula $C_{13}H_{10}O$ M.Wt 182.22Solubility $\geq 8.2\text{mg/mL}$ in DMSO Storage Desiccate 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**

Potent, selective inhibitor of Janus tyrosine kinase 3 (JAK3) which binds competitively to the JAK3 ATP site. pIC_{50} values are 6.8, 5.0, 4.7, and < 5.0 for JAK3, EGFR, JAK1 and CDK4 respectively.

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

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