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**Product Data Sheet**

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Product Name: Org 48762-0

Cat. No.: GC50316

**Chemical Properties**

Cas. No. 755753-89-0

SMILES CN1C=C2C(N=C(C(C3=CC=NC=C3)=C2C4=CC=C(C=C4)F)C5=CC=C(C=C5)F)=N1Formula  $C_{24}H_{16}F_2N_4$  M.Wt 398.41

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 Condition, or blue ice upon request.

Structure **Background**

Selective p38 $\alpha$  and  $\beta$  kinase inhibitor (EC50 = 0.1  $\mu$ M for p38 $\alpha$ ). Selective for p38 $\alpha$ / $\beta$  over a panel of 48 other human kinases. Inhibits LPS-induced TNF $\alpha$  release from PBMCs. Also inhibits cytokine release in an LPS-induced endotoxemia model in mice. Orally bioavailable.

Mihara et al (2008) A potent and selective p38 inhibitor protects against bone damage in murine collagen-induced arthritis: a comparison with neutralization of mouse TNF $\alpha$ . Br.J.Pharmacol. 154 153 PMID:18297096

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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