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**Product Data Sheet**

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Product Name: GSK 143  
Cat. No.: GC50429

**Chemical Properties**

Cas. No. 1240390-27-5

SMILES CC1=CC=C(C=C1)NC2=NC(N[C@@H]3CCOC[C@@H]3N)=NC=C2C(N)=O.Cl.Cl

Formula  $C_{17}H_{22}N_6O_2 \cdot 2HCl$  M.Wt 415.32

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**

Spleen tyrosine kinase (Syk) inhibitor (pIC50 = 7.5). Also inhibits phosphorylated Erk (pIC50 = 7.1). Decreases cell number and viability in chronic lymphocytic leukemia (CCL) cell lines.

Liddle et al (2011) Discovery of GSK143, a highly potent, selective and orally efficacious spleen tyrosine kinase inhibitor. *Bioorg.Med.Chem.Lett.* 21 6188 PMID:21903390  
|Varghese et al (2018) Highly selective SYK inhibitor, GSK143, abrogates survival signals in chronic lymphocytic leukaemia. *Br.J.Haematol* 182 927 PMID:28770560

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

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