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**Product Data Sheet**

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Product Name: MI 14  
Cat. No.: GC50216

**Chemical Properties**

Cas. No. 1715934-43-2

SMILES CC2=C(C3=CC=CC(S(N(C)C)(=O)=O)=C3)N1N=C(Cl)C=C(NCCNC(C)=O)C1=N2

Formula C<sub>19</sub>H<sub>23</sub>ClN<sub>6</sub>O<sub>3</sub>S M.Wt 450.94

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**

Potent and selective PI 4-K III $\beta$  inhibitor (IC<sub>50</sub> = 54 nM). Exhibits >1,800-fold selectivity for PI 4-K III $\beta$  over PI 4-K III $\alpha$  and PI 4-K II $\alpha$ , respectively. Exhibits antiviral activity against single-stranded positive sense RNA viruses in HeLa cell-based assays.

Mejdrová et al (2015) Highly selective phosphatidylinositol 4-kinase III $\beta$  inhibitors and structural insight into their mode of action. J.Med.Chem. 58 3767 PMID:25897704

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

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