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**Product Data Sheet**

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Product Name: Piribedil dihydrochloride

Cat. No.: GC11602

**Chemical Properties**

Cas. No. 1451048-94-4

Chemical Name 2-(4-(benzo[d][1,3]dioxol-5-ylmethyl)piperazin-1-yl)pyrimidine

SMILES C1(CN2CCN(C3=NC=CC=N3)CC2)=CC4=C(OCO4)C=C1Formula  $C_{16}H_{18}N_4O_2 \cdot 2HCl$  M.Wt 371.27

Solubility &lt;8.37mg/ml in Water Storage Store at RT

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**

Piribedil is a dopamine D2 receptor (D2R) agonist which also displays antagonist property at  $\alpha 1A$ -adrenoceptor ( $\alpha 1A$ -AR).

## References:

[1]. Mark J. Milla, et al. Antiparkinsonian Agent Piribedil Displays Antagonist Properties at Native, Rat, and Cloned, Human  $\alpha 2$  -Adrenoceptors: Cellular and Functional Characterization. JPET, 2001, 297 (3) 876-887.

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

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