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**Product Data Sheet**

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Product Name: CP 375  
Cat. No.: GC30575

**Chemical Properties**

Cas. No. 752186-89-3

SMILES O=C1C(O)=C(C(OC)CC)N(C)C(C)=C1

Formula  $C_{11}H_{17}NO_3$  M.Wt 211.26

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**

CP 375 is a Fe<sup>3+</sup> chelating agent, with a log K<sub>1</sub> value of 14.50.

CP 375 is a Fe<sup>3+</sup> chelating agent, with a log K<sub>1</sub> value of 14.50, with the absolute deviation between the predicted and experimental values of 0.12 (14.62 vs. 14.50)[1].

[1]. Chen YL, et al. Prediction of 3-hydroxypyridin-4-one (HPO) log K<sub>1</sub> values for Fe(III). Dalton Trans. 2012 Sep 21;41(35):10784-91.

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

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