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**Product Data Sheet**

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Product Name: Derigidole (SL 86-0715)

Cat. No.: GC31468

**Chemical Properties**

Cas. No. 122830-14-2

SMILES CCCC1(C2=NCCN2)N3C4=C(C=CC=C4CC3)C1Formula  $C_{16}H_{21}N_3$  M.Wt 255.36

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**

Derigidole is a peripheral adrenoceptor antagonist with a high affinity for  $\alpha_2$ -adrenoceptors.

Derigidole is a selective  $\alpha_2$ -receptor inhibitor. Derigidole inhibits [3H]Clonidine and [3H]Idazoxan but not [3H]Prazosin binding to rat cortical and human platelet  $\alpha_2$ -adrenoceptors and is more selective than Idazoxan for peripheral receptors[1].

[1]. Natali A, et al. Effects of acute alpha 2-blockade on insulin action and secretion in humans. Am J Physiol. 1998 Jan;274(1 Pt 1):E57-64.

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

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