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**Product Data Sheet**

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Product Name: M 084 hydrochloride

Cat. No.: GC50268

**Chemical Properties**

Cas. No.

SMILES CCCCNC1=NC2=CC=CC=C2N1.ClFormula C11H15N3.HCl M.Wt 225.72

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**

TRPC4/5 channel blocker (IC50 values are 3.7-10.3 and 8.2 μM, respectively). Also weakly blocks TRPC3 channels. Exhibits rapid antidepressant and anxiolytic effects in vivo.

Zhu et al (2015) Identification and optimization of 2-aminobenzimidazole derivatives as novel inhibitors of TRPC4 and TRPC5 channels. Br.J.Pharmacol. 172 3495 PMID:25816897  
|Yang et al (2015) Acute treatment with a novel TRPC4/C5 channel inhibitor produces antidepressant and anxiolytic-like effects in mice. PLoS One 10 e0136255  
PMID:26317356

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

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