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**Product Data Sheet**

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Product Name: KW-6055

Cat. No.: GC31122

**Chemical Properties**

Cas. No. 63233-46-5

SMILES CCCC(NC1=CC=C(CC2=NC=CC=C2)C([N+])([O-])=O)=C1)=OFormula  $C_{16}H_{17}N_3O_3$  M.Wt 299.32

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**

KW-6055 is a benzylpyridine derivative and has anti-amnesic activity.

KW-6055 is a benzylpyridine derivative and has anti-amnesic activity. KW-6055 (40, 160 mg/kg, p.o.) increases the extracellular level of ACh in normal rats ( $257 \pm 23$ ,  $202 \pm 24\%$ ). In basal forebrain-lesioned rats, KW-6055 (40 mg/kg, p.o.) significantly increases the extracellular level of ACh ( $251 \pm 22\%$ ) for more than 2 hr, which is longer than in normal rats[1].

[1]. Kurokawa M, et al. Effects of KW-6055, a novel benzylpyridine derivative, on central cholinergic systems. *Nihon Yakurigaku Zasshi*. 1992 Jun;99(6):435-43.

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

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