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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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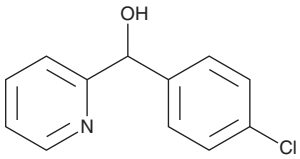
PRODUCT INFORMATION

4-Chlorophenyl-2-pyridinylmethanol

Item No. 21861

CAS Registry No.:	27652-89-7
Formal Name:	α-(4-chlorophenyl)-2-pyridinemethanol
Synonyms:	*p*-Chlorophenyl-2-pyridinylmethanol, NSC 31264, NSC 47970
MF:	$C_{12}H_{10}ClNO$
FW:	219.7
Purity:	≥98%
UV/Vis.:	λ_{max}: 224, 261 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

4-Chlorophenyl-2-pyridinylmethanol is supplied as a crystalline solid. A stock solution may be made by dissolving the 4-chlorophenyl-2-pyridinylmethanol in the solvent of choice, which should be purged with an inert gas. 4-Chlorophenyl-2-pyridinylmethanol is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of 4-chlorophenyl-2-pyridinylmethanol in ethanol is approximately 25 mg/ml and approximately 30 mg/ml in DMSO and DMF.

4-Chlorophenyl-2-pyridinylmethanol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 4-chlorophenyl-2-pyridinylmethanol should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. 4-Chlorophenyl-2-pyridinylmethanol has a solubility of approximately 0.1 mg/ml in a 1:9 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

4-Chlorophenyl-2-pyridinylmethanol is a synthetic intermediate. It has been used in the synthesis of pharmaceutical compounds, including bepotastine besilate, a non-sedating antihistamine.[1]

Reference

1. Ohashi, R., Kamikozawa, Y., Sugiura, M., *et al.* Effect of P-glycoprotein on intestinal absorption and brain penetration of antiallergic agent bepotastine besilate. *Drug Metab. Dispos.* **34(5)**, 793-799 (2006).

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