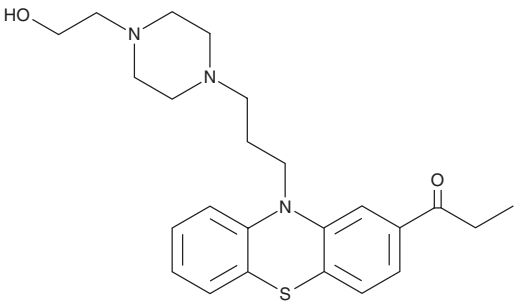
PRODUCT INFORMATION

Carfenazine

Item No. 36486

CAS Registry No.:	2622-30-2
Formal Name:	1-[10-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazin-2-yl]-1-propanone
Synonyms:	Carphenazine, NSC 71755
MF:	$C_{24}H_{31}N_3O_2S$
FW:	425.6
Purity:	≥90%
Supplied as:	A solution in methanol
Storage:	-20°C
Stability:	≥4 years



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

Laboratory Procedures

Carfenazine is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Carfenazine is slightly soluble in DMSO.

Description

Carfenazine is a phenothiazine derivative.[1] It induces hypothermia in rats when administered at a dose of 10 mg/kg. Formulations containing carfenazine have previously been used in the treatment of schizophrenia.

Reference

1. Yehuda, S. and Frommer, R. The possible role of dopamine in phenothiazine-induced hypothermia in rats: An application to DA hypothesis of schizophrenia. *Int. J. Neurosci.* **7(2)**, 67-72 (1977).

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