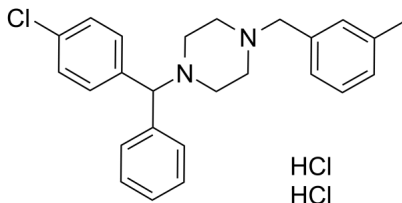


## Certificate of Analysis

Catalog Number	BP10132
Product Name	Mecizine dihydrochloride

## Physical and Chemical Properties

Synonyms	Mecizine 2HCl, NSC28728, Meclozine dihydrochloride
CAS No.	1104-22-9
Chemical Formula	C <sub>25</sub> H <sub>29</sub> Cl <sub>3</sub> N <sub>2</sub>
Molecular Weight	463.87
Solubility	DMSO: 23.2 mg/mL (50 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Mecizine hydrochloride is a histamine H1 antagonist used in the treatment of motion sickness, vertigo, and nausea during pregnancy and radiation sickness.
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In vitro	HepG2 cells are cultured in 24-well dishes with DMEM supplemented with 10% charcoal-stripped calf serum. Cells are transfected using calcium phosphate with 100 ng of receptor expression vectors, 300 ng of luciferase reporter plasmids, and 100 ng of pSV2- $\beta$ -galactosidase as internal control of transfection efficiency. Drugs are added 12 h after transfection, and cells are incubated for an additional 24 h. The cell lysate is assayed for luciferase activity and normalized to $\beta$ -galactosidase activity.(Only for Reference)
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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