



CERTIFICATE OF ANALYSIS

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1. Identification

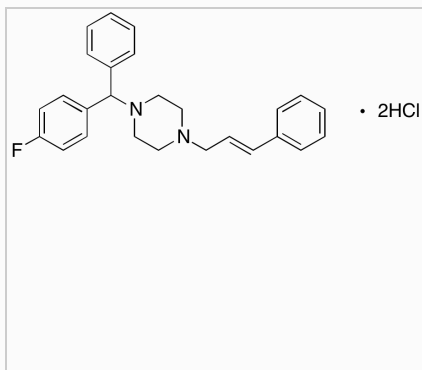
Catalogue Number: D228700

CAS Number: 27064-96-6

Product: Defluoro Flunarizine Dihydrochloride

Synonym: Flunarizine Impurity B Dihydrochloride;
Flumazenil EP Impurity B Dihydrochloride;

Structure:



Molecular Formula:

$C_{26}H_{27}FN_2 \cdot 2HCl$

Molecular weight:

386.50 + 2(36.46)

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 1-AMA-58-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Orange to Light Orange Solid	Pale Orange to Light Orange Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 62.68, %H: 6.82, %N: 5.79
HPLC Purity	Report Result	97.48% (210 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	8/2/2023	7/31/2027