

CERTIFICATE OF ANALYSIS

(Certificate No. KMS003007-01)

Release Date: 02/04/2025

Re-test Date: 01/04/2028

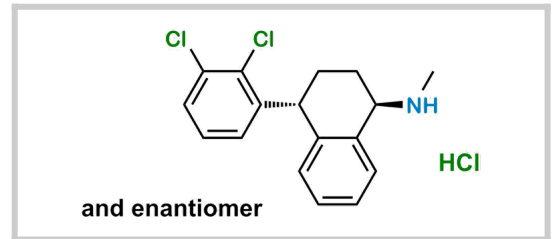
2,3-ISOSERTRALINE IMPURITY

Identification

Chemical Name :

(1RS,4RS)-4-(2,3-Dichlorophenyl)-N-methyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride (as per USP)

CAT No. : KMS003007
CAS No. : 2124277-88-7
Molecular Formula : C₁₇H₁₇Cl₂N : HCl
Molecular Weight : 306.2 : 36.5



Analytical Information

Batch No.	: S003007-091-307	Solubility	:	ACN:METHANOL:BUFFER*::(45:15:40)
Description	: Off White Solid	Mass	:	Confirm
HPLC Purity	: 98.03 %	IR	:	Confirm
Weight Loss By TGA	: 0.49 %	1H NMR	:	Confirm
% Potency	: 97.55 %			

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.49(Weight Loss By TGA)] x [98.03(HPLC Purity)]/100 = 97.55 %

-Buffer*: To 28.6 ml of glacial acetic acid ,slowly add, while stirring, 34.8 ml of triethylamine, and dilute with water to 100ml. Dilute 10ml of resulting solution with water to 1L.

-Mixture of isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		02/04/2025

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA