

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-H006006-1308)

Analysis Date: 01/10/2021

Re-test Date: 30/09/2023

4-Nitroso Hydrochlorothiazide

Identification

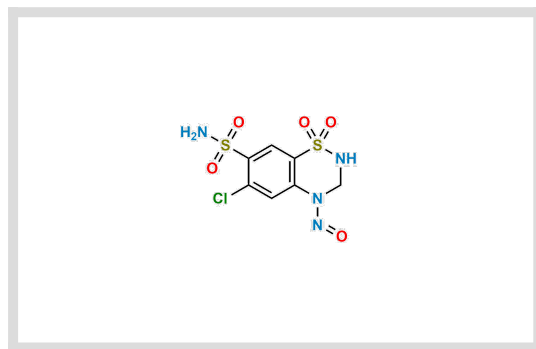
Chemical Name : 6-Chloro-4-nitroso-3,4-dihydro-2H-benzo[e][1,2,4]thiadiazine-7-sulfonamide 1,1-dioxide

CAT No. : SZ-H006006

CAS No. : 63779-86-2

Molecular Formula : C₇H₇ClN₄O₅S₂

Molecular Weight : 326.7



Analytical Information

Batch Code	: SRL-465-84	HPLC Purity	: 97.85 %
Solubility	: ACN:H ₂ O(8:2)	Mass	: Confirm
Appearance of product	: Off White Solid	IR Analysis	: Confirm
Long Term Storage	: 2-8 °C for long term storage	¹ H NMR	: Confirm
Weight Loss By TGA	: 0.00 %	¹³ C NMR	: Confirm
Residue On Ignition	: 0.47 %	DEPT Analysis	: Confirm

Additional Information

% Potency = [100 - 0.00 (Wt loss by TGA) - 0.47(ROI)] X [97.85 (HPLC Purity)] / 100 = 97.39 %

Elemental Analysis (Theoretical) : %C: 25.73 %H: 2.16 %N: 17.15 %S: 19.63

Elemental Analysis (Practical) : %C: 24.88 %H: 2.421 %N: 16.90 %S: 19.449

Recommendation : Released

	Department	Signature	Date
Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, NMR, IR, TGA, CMR, DEPT, ROI, CHNS

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.