

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-M003004-1916)

Analysis Date: 07/09/2020

Re-test Date: 02/09/2022

Melphalan EP Impurity C

Identification

Chemical Name : (S)-2-amino-3-(4-((2-chloroethyl)amino)phenyl)propanoic acid hydrochloride

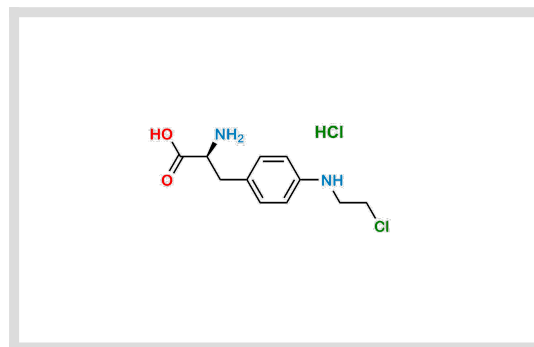
CAT No. : SZ-M003004

CAS No. : 573704-41-3

Molecular Formula : C₁₁H₁₅ClN₂O₂ . HCl

Molecular Weight : 242.7 . 36.5

Synonyms : 4-[(2-chloroethyl)amino]-l-phenylalanine



Analytical Information

Batch Code	: SRL-377-152	HPLC Purity	: 99.06 %
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	: 1.71 %	¹³ C NMR	: Confirm
Residue On Ignition	: 0.42 %	DEPT Analysis	: Confirm

Additional Information

% Potency = [100 - 1.71(Wt loss by TGA) - 0.42(ROI)] X [99.06 (HPLC Purity)] / 100 = 96.95 %

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

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

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