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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2023

Re-test Date: Dec 2025

Product Name: Pregabalin EP Impurity A

Identification:

Chemical Name: (S)-4-isobutylpyrrolidin-2-one

Synonyms : Pregabalin Lactam S-Isomer

CAS Number : 181289-23-6

CAT Number : CP-P29001

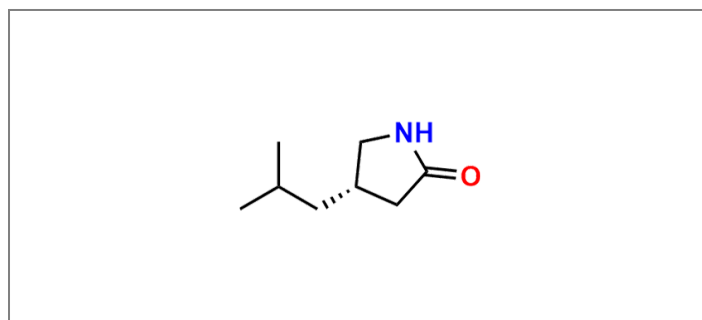
Molecular Formula : C₈H₁₅NO

Molecular Weight : 141.21

Batch Number : CHEM-PRE-A

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Colourless Oil
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.19%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.