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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Apremilast Impurity 12**

#### Identification:

Chemical Name: (S)-4-Amino-2-(1-(3-ethoxy-4-hydroxyphenyl)-2-(methylsulfonyl)ethyl)isoindoline-1,3-dione

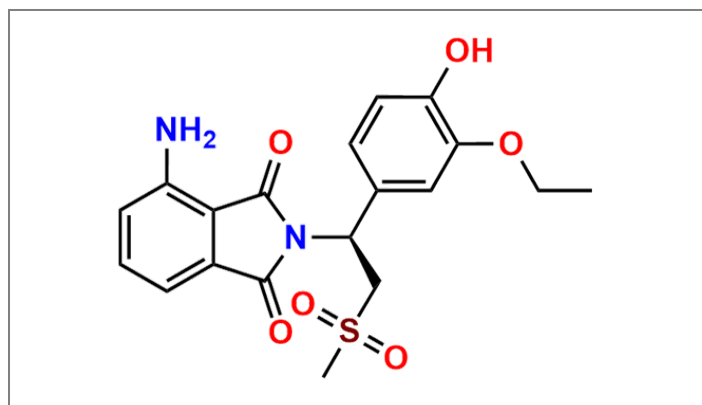
Synonyms : N-Desacetyl O4-Desmethyl  
Apremilast

CAS Number : 1384440-16-7

CAT Number : CP-A77027

Molecular Formula : C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>6</sub>S

Molecular Weight : 404.44



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	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.