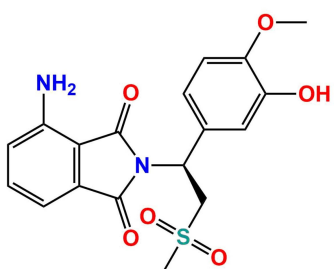


CERTIFICATE OF ANALYSIS

Date: 21-11-2024

Product Name	Apremilast Impurity 14		
Chemical Name	(S)-4-Amino-2-(1-(3-hydroxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl)isoindoline-1,3-dione		
Structure	 <p>The chemical structure shows a central isoindoline-1,3-dione ring system. At the 4-position of the isoindoline ring, there is an amino group (NH₂) in blue. At the 2-position, there is a chiral center (S) bonded to a 1-(3-hydroxy-4-methoxyphenyl)ethyl group and a 2-(methylsulfonyl)ethyl group. The 3-hydroxy-4-methoxyphenyl group has a hydroxyl group (OH) in red at the 3-position and a methoxy group (O-CH₃) in red at the 4-position. The methylsulfonyl group consists of a sulfur atom (S) in light blue bonded to two oxygen atoms (O) in red and a methyl group (CH₃) in black.</p>		
Inv. Status	-	CAS No.	1384439-79-5
Analysis Date	-	Retest Date	-
Mol. Formula	C ₁₈ H ₁₈ N ₂ O ₆ S	Molecular Wt.	390.4
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
¹ H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

CLEANCHEM LABORATORIES LLP

Plot No. A-737/2, TTC Industrial Area, MIDC Khairane, Navi Mumbai, Maharashtra, INDIA- 400710

✉ sales@cleanchemlab.com ☎ +91-9324132198 🌐 www.cleanchemlab.com