

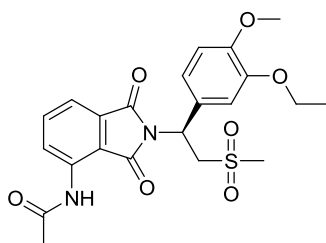


Northeast Business Center

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Certificate of Analysis



Product Name:	Apremilast
IUPAC Name:	<i>N</i> -{2-[(1 <i>S</i>)-1-(3-Ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl]-1,3-dioxo-2,3-dihydro-1 <i>H</i> -isoindol-4-yl} acetamide
CAS No:	608141-41-9
Prod. No:	CT-APRE
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₂₂ H ₂₄ N ₂ O ₃ S 460.5
Solubility	Soluble in DMSO (46.1mg/ml, 100mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	White crystalline powder
Quality Control	¹ HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₂₂ H ₂₄ N ₂ O ₃ S Calculated: C: 57.38%; H: 5.25%; N: 6.08% Found: C: 57.27%; H: 5.34%; N: 6.09%
Chemical Purity	>99.5% (HPLC)
Optical Purity (e.e)	>99.5% (Chiral HPLC)