

Certificate of Analysis

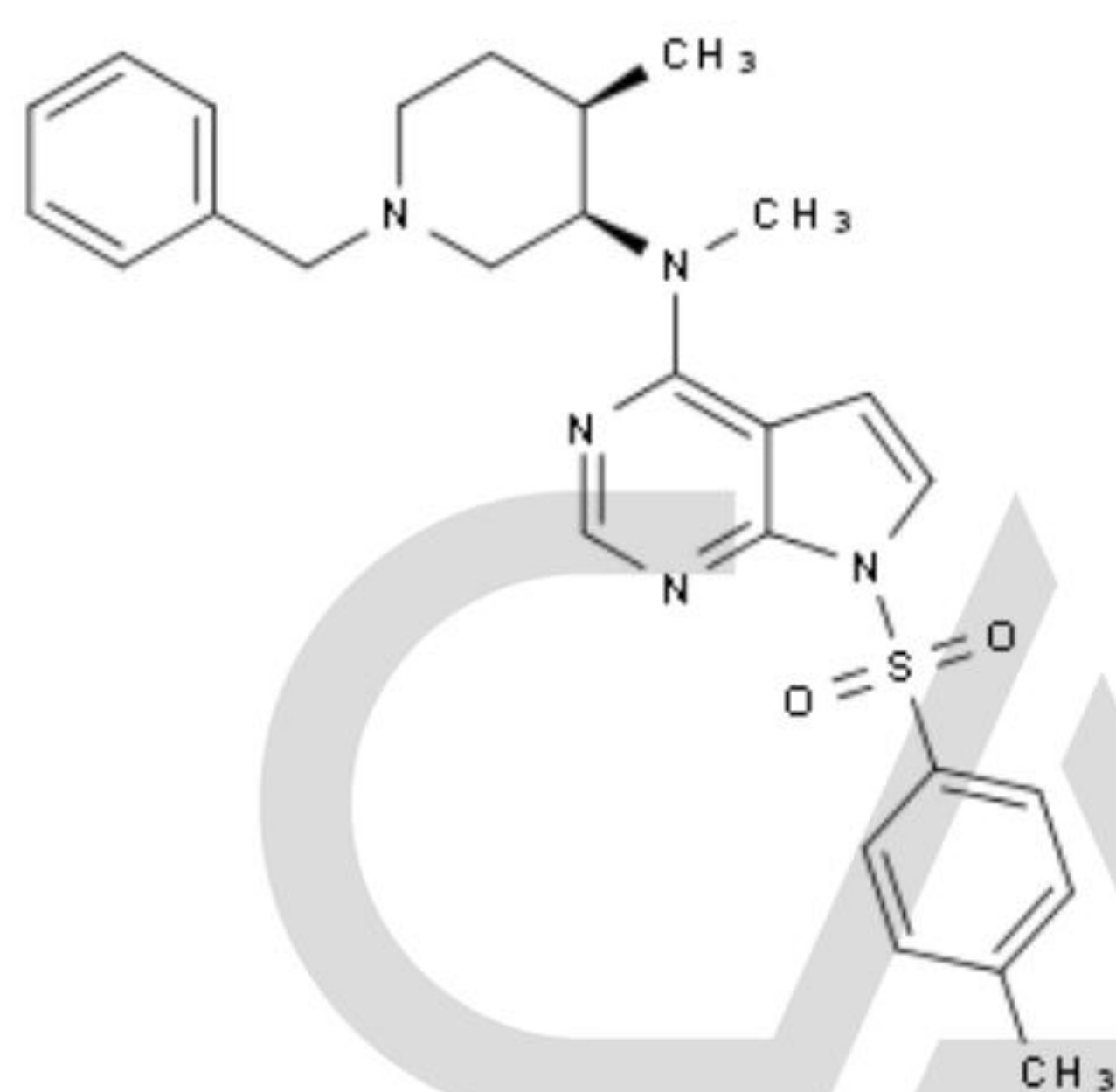
Reference Material & Standard

Product Name:	Tofacitinib Impurity 56	Catalogue Number:	C4X-107956
Synonyms:	N/A	Lot Number:	0525-RC-0021
CAS Number:	923036-30-0	Expiry Date:	May 26, 2024
Molecular Formula:	C ₂₇ H ₃₁ N ₅ O ₂ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	489.63	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.5967%
Loss on Drying	TGA	0.4415%
Assay		99.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: May 27, 2021

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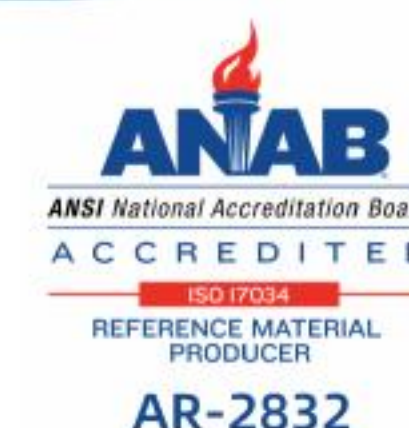
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