

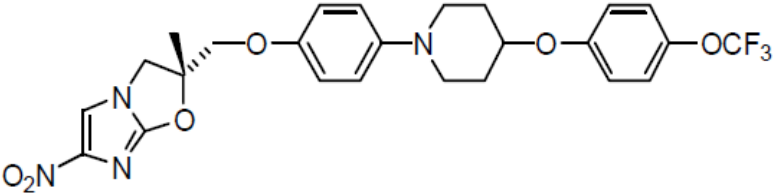
Delamanid (Reference Standard)

Catalog No. NR-51636

Lot: 70027180¹

Manufacturing Date: 21NOV2016

All information provided by Otsuka Pharmaceutical Co., Ltd.

Chemical Name	(R)-2-Methyl-6-nitro-2-[(4-{4-[4-(trifluoromethoxy)phenoxy]piperidin-1-yl}phenoxy)methyl]-2,3-dihydroimidazo[2,1-b]oxazole
Structure	
Formula	C ₂₅ H ₂₅ F ₃ N ₄ O ₆
Molecular Weight	534.48
Content per Vial	20 mg
Appearance	Pale yellowish white crystalline powder
¹H NMR	Spectrum consistent with structure
MS	Spectrum consistent with structure
IR	Absorptions at 3130, 1610, 1514, 1240, 1038 and 827 cm ⁻¹
UV	Absorptions at 222-226 nm, 241-245 nm and 318-322 nm
Purity	100.00%
Optical Purity by HPLC	100.0%ee
Melting Point	195.4°C (decomposition)
Water Content	0.04%
Drug-Related Impurities by HPLC	Individual: < 0.05% Total: < 0.05%
Residual Solvents by GC	Ethanol: 107 ppm Acetone: 65 ppm

¹The expiration date is 20NOV2021. The date of analysis for the bulk material (Otsuka lot S16K90) was 02JUN2017.

/Heather Couch/

Heather Couch

03 AUG 2019

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