

**Delamanid (Reference Standard)**

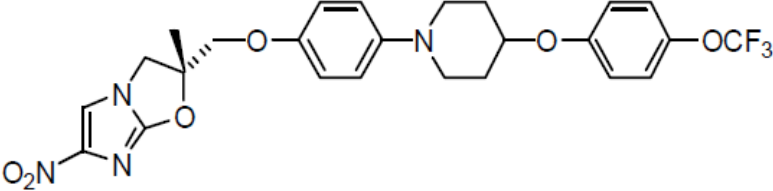
**Catalog No. NR-51636**

**Lot: 70049844 (Otsuka S21E95)**

**Manufacturing Date: 26MAY2021**

All information provided by Otsuka Pharmaceutical Co., Ltd.

The date of analysis for the bulk material (Otsuka lot S21E95) was 30JUN2021, with an expiration date of 25MAY2026.

<b>Chemical Name</b>	(R)-2-Methyl-6-nitro-2-[(4-{4-[4-(trifluoromethoxy)phenoxy]piperidin-1-yl}phenoxy)methyl]-2,3-dihydroimidazo[2,1-b]oxazole
<b>Structure</b>	
<b>Formula</b>	C <sub>25</sub> H <sub>25</sub> F <sub>3</sub> N <sub>4</sub> O <sub>6</sub>
<b>Molecular Weight</b>	534.48
<b>Content per Vial</b>	20 mg ± 0.3 mg
<b>Appearance</b>	Pale yellowish white crystalline powder
<b><sup>1</sup>H NMR Spectrum</b>	Consistent with structure
<b>Mass Spectrum</b>	Consistent with structure
<b>IR Spectrum</b>	Absorptions at 3130, 1610, 1514, 1240, 1038 and 827 cm <sup>-1</sup>
<b>UV Spectrum</b>	Absorptions at 222-226 nm, 241-245 nm, and 318-322 nm
<b>Purity</b>	100.00%
<b>Optical Purity by HPLC</b>	100.0%ee
<b>Melting Point</b>	196.1°C (decomposition)
<b>Water Content</b>	0.1%
<b>Drug-Related Impurities by HPLC</b>	Individual: < 0.05% Total: < 0.05%
<b>Residual Solvents by GC</b>	Ethanol: 62 ppm Acetone: 44 ppm

/Sonia Bjorum Brower/  
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24 OCT 2025

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