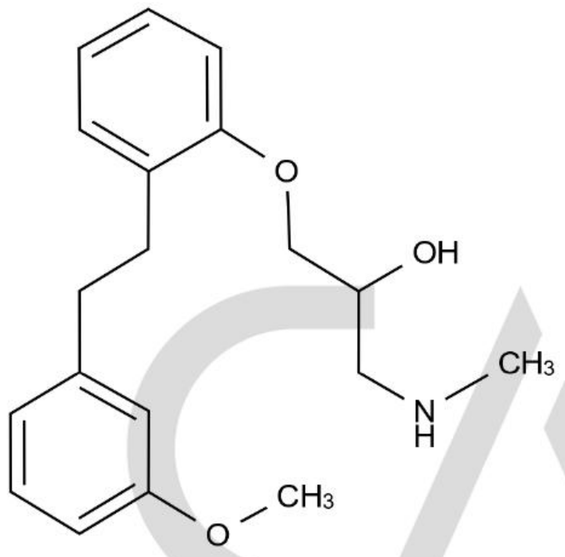
Certificate of Analysis

Reference Material & Standard

Product Name:	Sarpogrelate Impurity 11	**Catalogue Number:**	C4X-291311
Synonyms:	N/A	**Lot Number:**	1102-RG-0138
CAS Number:	138656-66-3	**Expiry Date:**	Nov 04, 2029
Molecular Formula:	$C_{19}H_{25}NO_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	315.41	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.514%
Loss On Drying	TGA	0.3003%
Assay		97.2%

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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: Alice Date: Nov 05, 2025

Reviewed by: Koi Date: Nov 05, 2025

Approved by General Manager: David Date: Nov 05, 2025

CATO Research Chemicals Inc.