

Certificate of Analysis

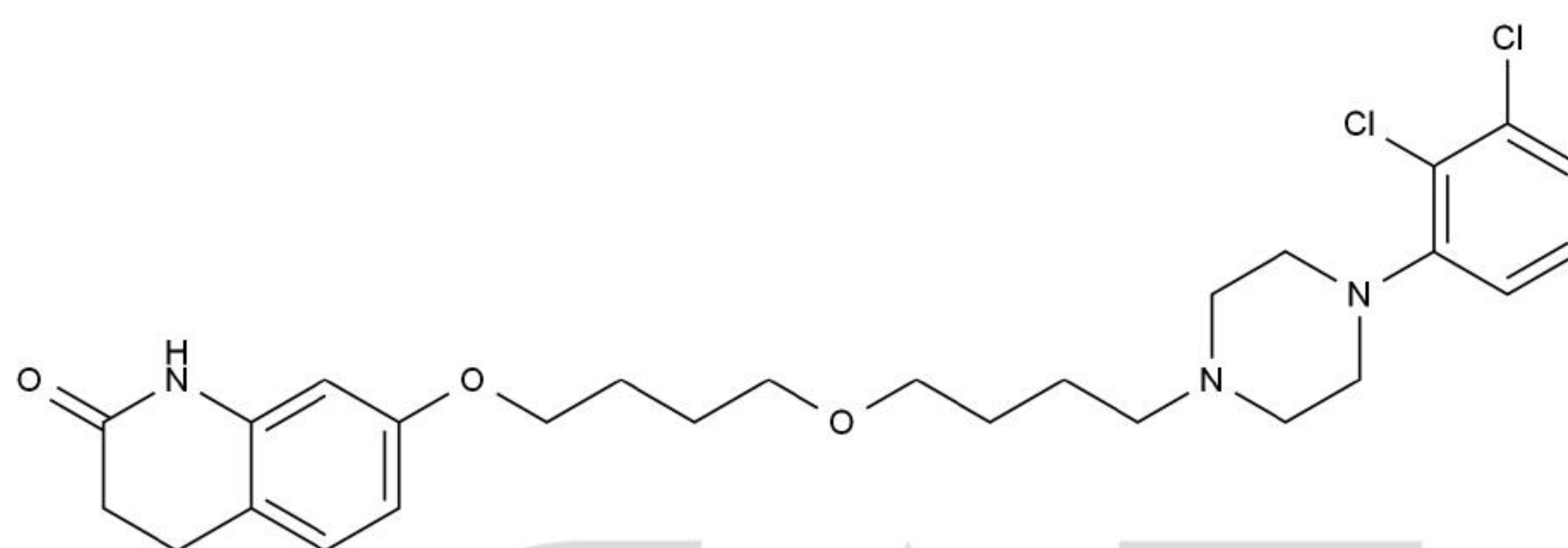
Reference Material & Standard

Product Name:	7-(4-(4-(2,3-dichlorophenyl)piperazin-1-yl)butoxy)butoxy)-3,4-dihydroquinolin-2(1H)-one	Catalogue Number:	CP122237
Synonyms:	N/A	Lot Number:	1011-RH-0048
CAS Number:	1796928-63-6	Expiry Date:	Mar 18, 2029
Molecular Formula:	C ₂₇ H ₃₅ Cl ₂ N ₃ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	520.49	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.658%
Water Content	Karl Fischer	0.30%
Residual Solvents	NMR	0.16% ethyl acetate
Assay	Mass Balance	99.2%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Oct 12, 2026

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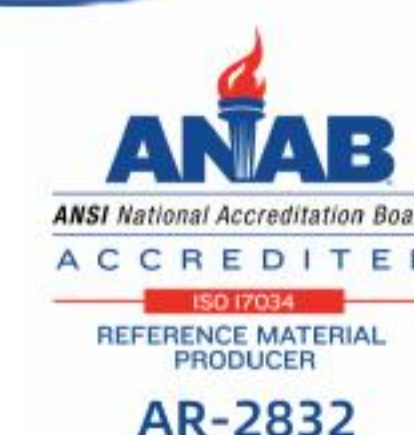
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