

Certificate of Analysis

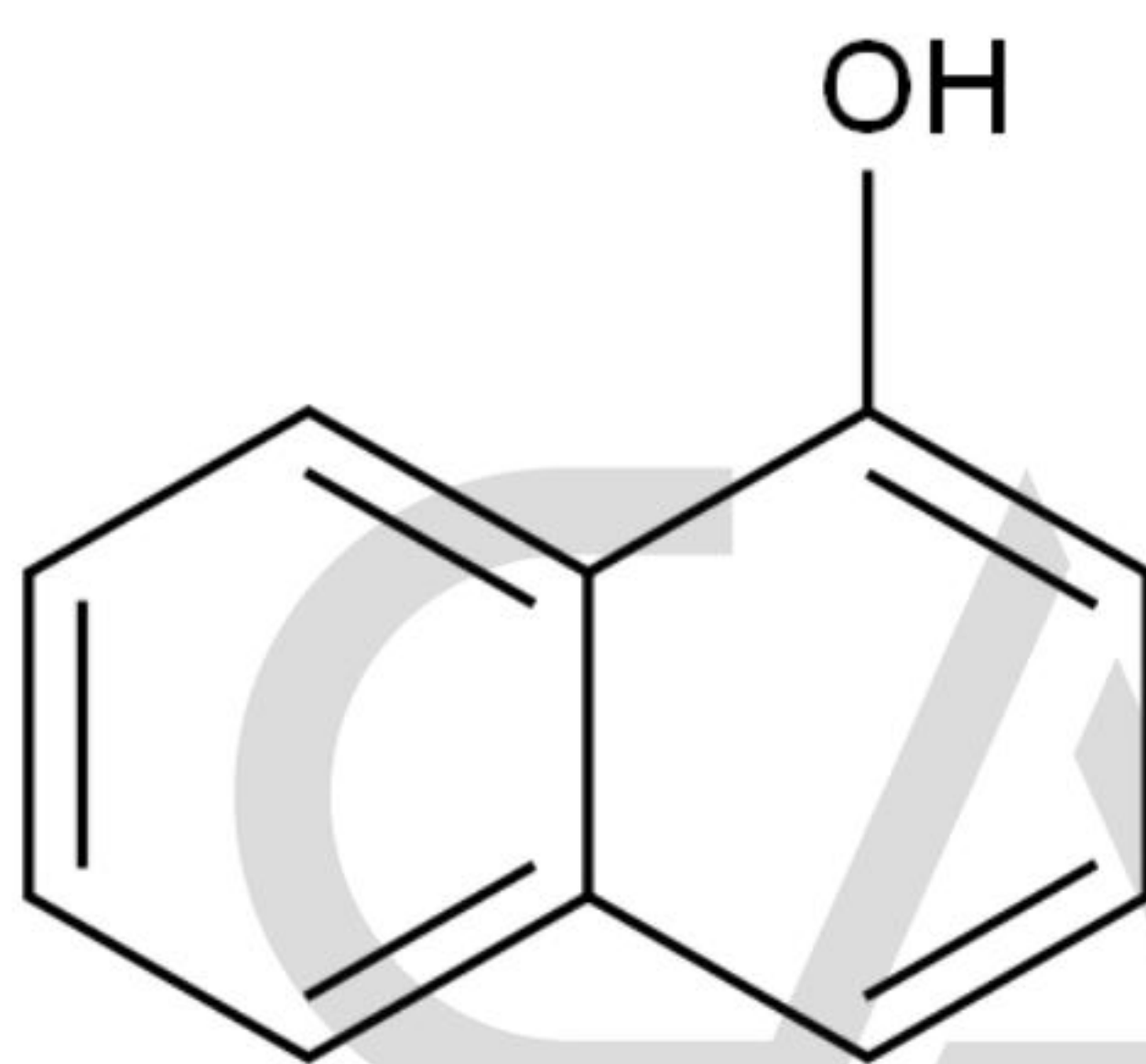
Reference Material & Standard

Product Name:	Duloxetine EP Impurity D	Catalogue Number:	C4X-13364
Synonyms:	N/A	Lot Number:	0423-RF-0077
CAS Number:	90-15-3	Expiry Date:	Jun 21, 2030
Molecular Formula:	C ₁₀ H ₈ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	144.17	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.957%
Loss on Drying	TGA	1.1791%
Assay		98.8%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 22, 2026

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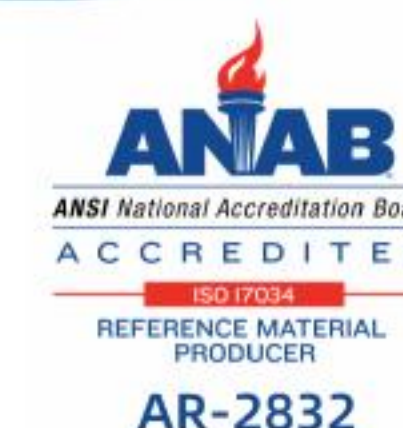
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