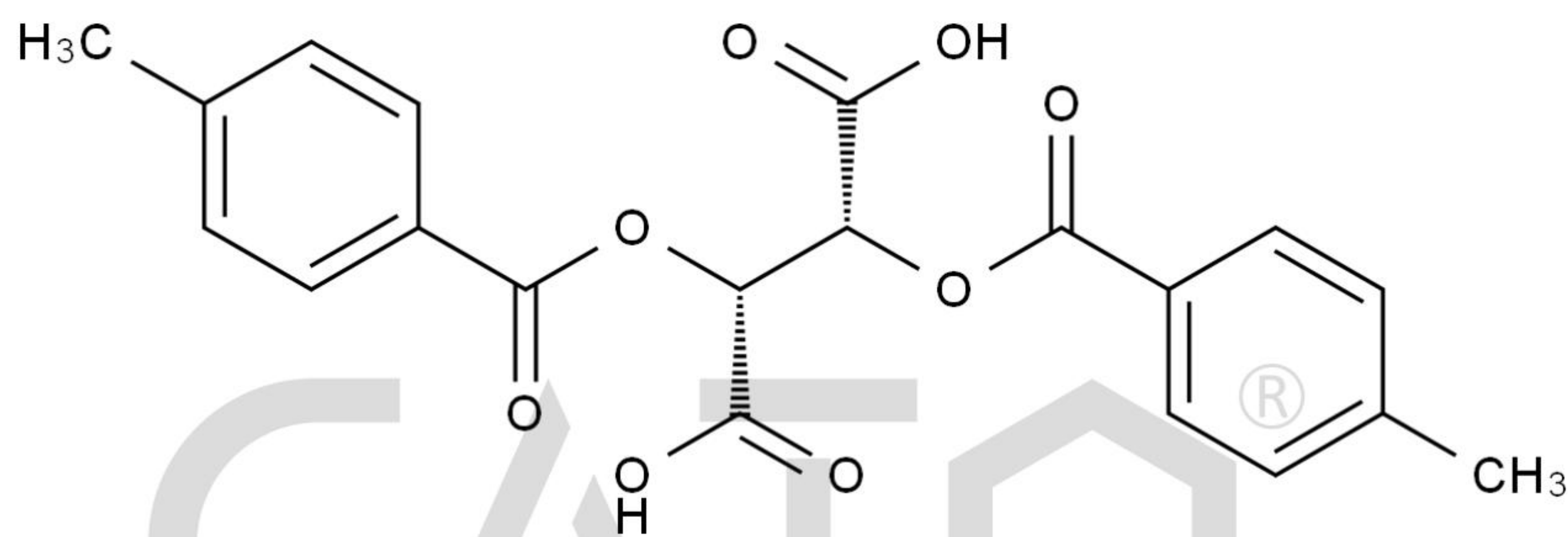


Certificate of Analysis

Reference Material & Standard

Product Name:	Duloxetine Impurity 12	Catalogue Number:	C4X-133612
Synonyms:	N/A	Lot Number:	1022-RF-0069
CAS Number:	32634-66-5	Expiry Date:	Oct 23, 2027
Molecular Formula:	C ₂₀ H ₁₈ O ₈	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	386.35		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.092%
Loss On Drying	TGA	0.0630%
Assay		99.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Oct 24, 2024

Date: Oct 24, 2024

Date: Oct 24, 2024

