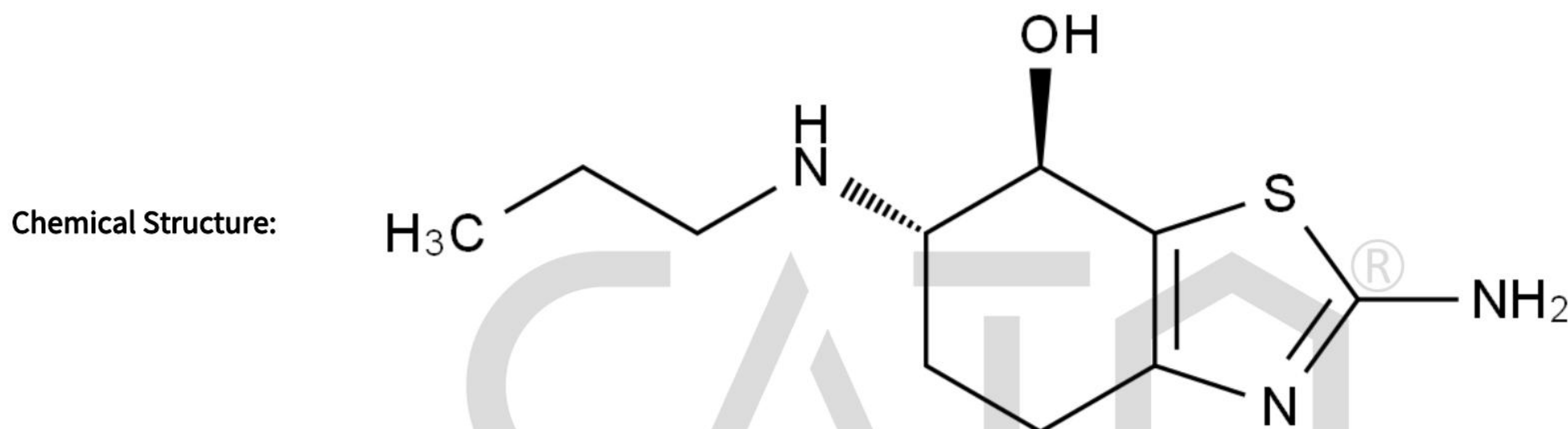


Certificate of Analysis

Reference Material & Standard

Product Name:	Pramipexole Impurity 11 (and enantiomer)	Catalogue Number:	C4X-110711
Synonyms:	N/A	Lot Number:	1214-RA-0002
CAS Number:	1246818-51-8	Expiry Date:	Aug 21, 2027
Molecular Formula:	C10H17N3OS	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	227.33		



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	3.6433%
Assay		96.4%

Comment:

- Catalogue Number has been changed from "C4X-110727" to "C4X-110711". Therefore some of the graphs shown below were named by "C4X-110727".
- 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: Jul 10, 2025

Date: Jul 10, 2025

Date: Jul 10, 2025

