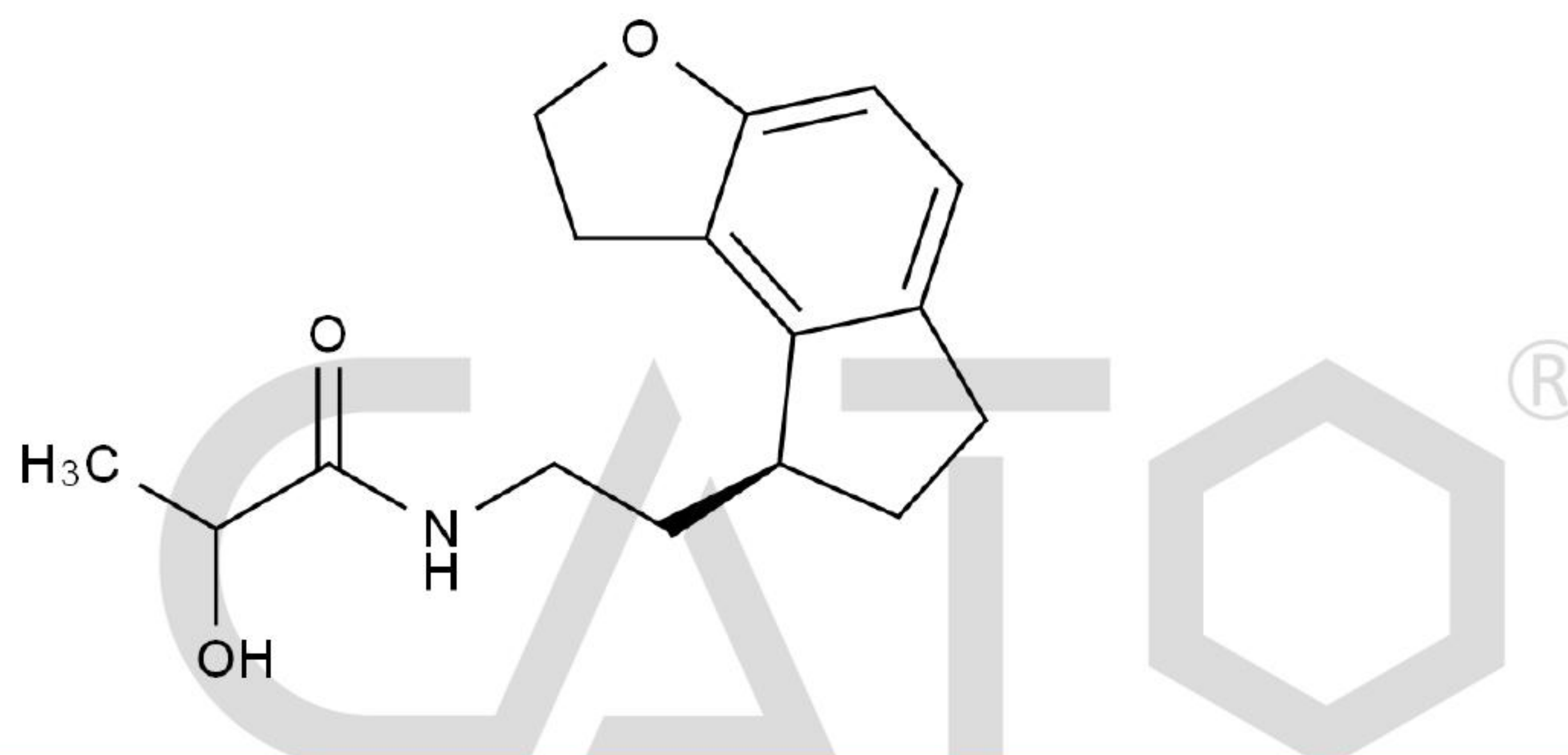


Certificate of Analysis

Reference Material & Standard

Product Name:	Ramelteon Metabolite M-II	Catalogue Number:	C4X-26221
Synonyms:	N/A	Lot Number:	0707-RH-0037
CAS Number:	896736-21-3	Expiry Date:	Jul 09, 2030
Molecular Formula:	C ₁₆ H ₂₁ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	275.34	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.022%
Loss on Drying	TGA	0.4658%
Assay		97.6%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 10, 2026

Date: Jul 10, 2026

Date: Jul 10, 2026



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