

Certificate of Analysis

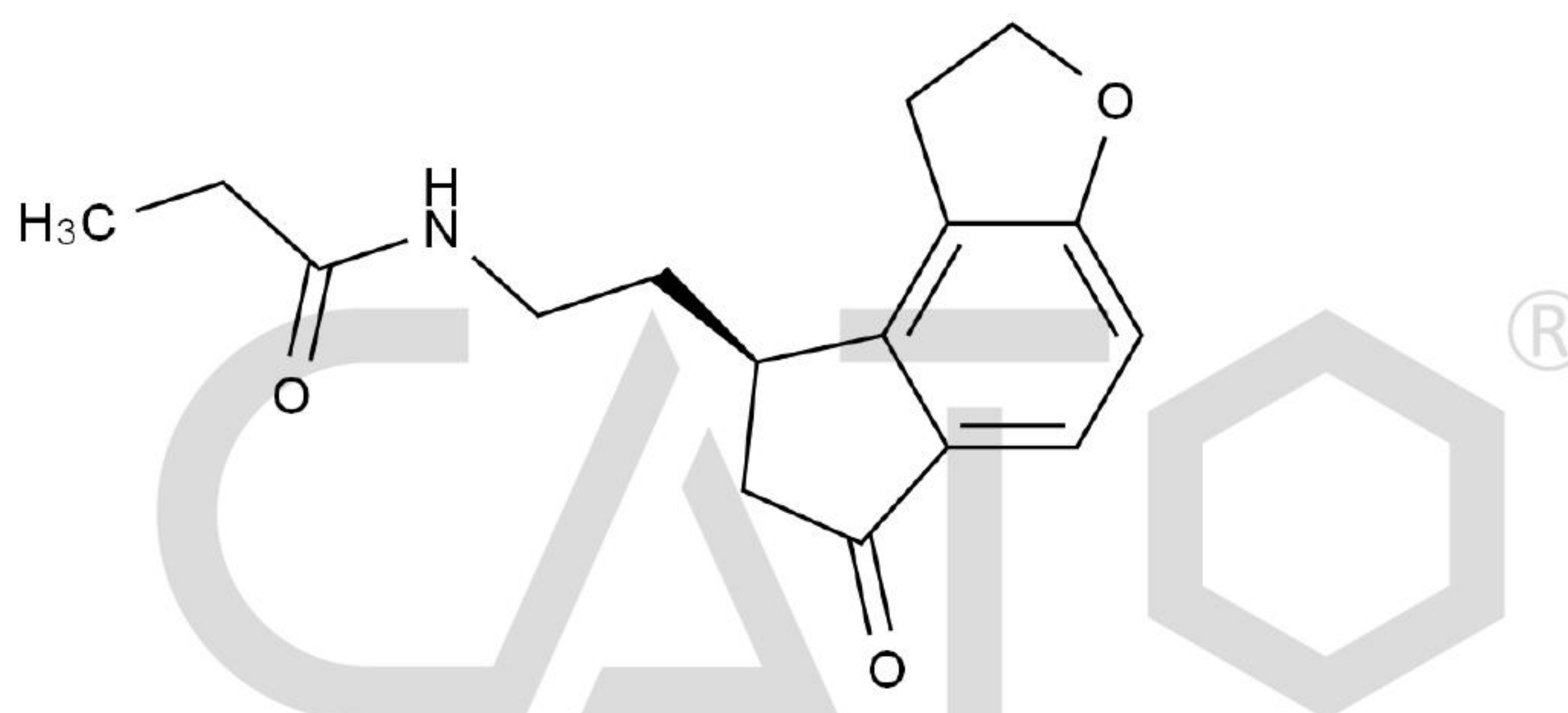
Reference Material & Standard

Product Name:	Ramelteon 6-Oxo Impurity	Catalogue Number:	CP151782
Synonyms:	N/A	Lot Number:	0812-RH-0020
CAS Number:	896736-22-4	Expiry Date:	Apr 18, 2030
Molecular Formula:	C ₁₆ H ₁₉ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	273.33	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.94%
Loss on Drying	TGA	0.550%
Assay		97.4%

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:

Reviewed by:

Approved by General Manager:

Date: Aug 12, 2026

Date: Aug 13, 2026

Date: Aug 13, 2026



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