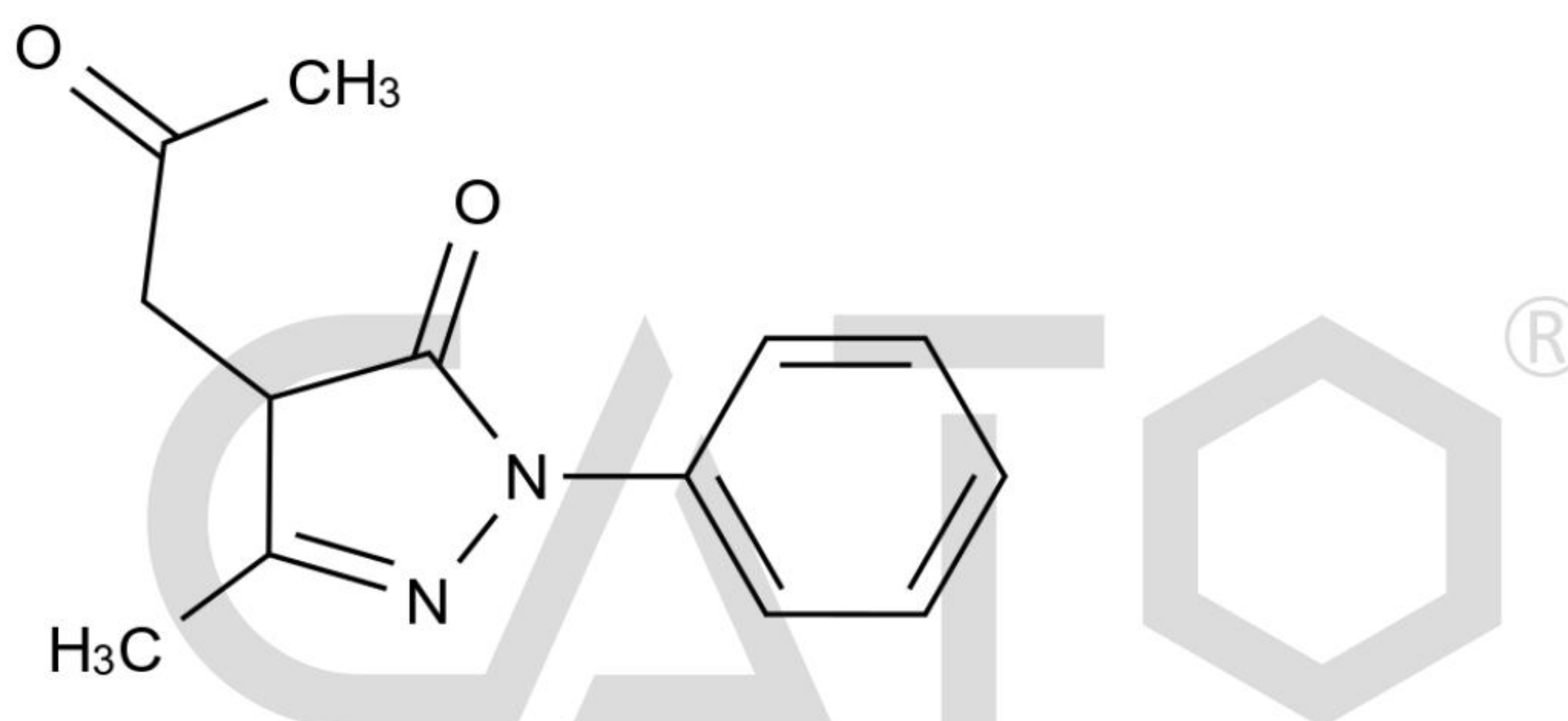


Certificate of Analysis

Reference Material & Standard

Product Name:	Edaravone impurity 32	Catalogue Number:	C4X-106232
Synonyms:	5-methyl-4-(2-oxopropyl)-2-phenyl-4H-pyrazol-3-one	Lot Number:	1011-RG-0050
CAS Number:	852539-02-7	Expiry Date:	Oct 28, 2029
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₂	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	230.26	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&DEPT&HNMR&HSQC	Confirmed
Purity	HPLC	97.749%
Water Content	Karl Fischer	2.1216%
Residual Solvents	NMR	Not detected in NMR
Residue on Ignition	TGA	0.3466%
Assay	qNMR	95.1%
Assay	Mass Balance	95.3%

Comment:

- The retest date of this product is Oct 28, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents} - \text{Residue on Ignition}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content, Residual Solvents and Residue on Ignition are considered as absolute effect, HPLC purity is considered as relative effect.
- The material may undergo tautomerism.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Nov 19, 2025

Date: Nov 19, 2025

Date: Nov 19, 2025



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