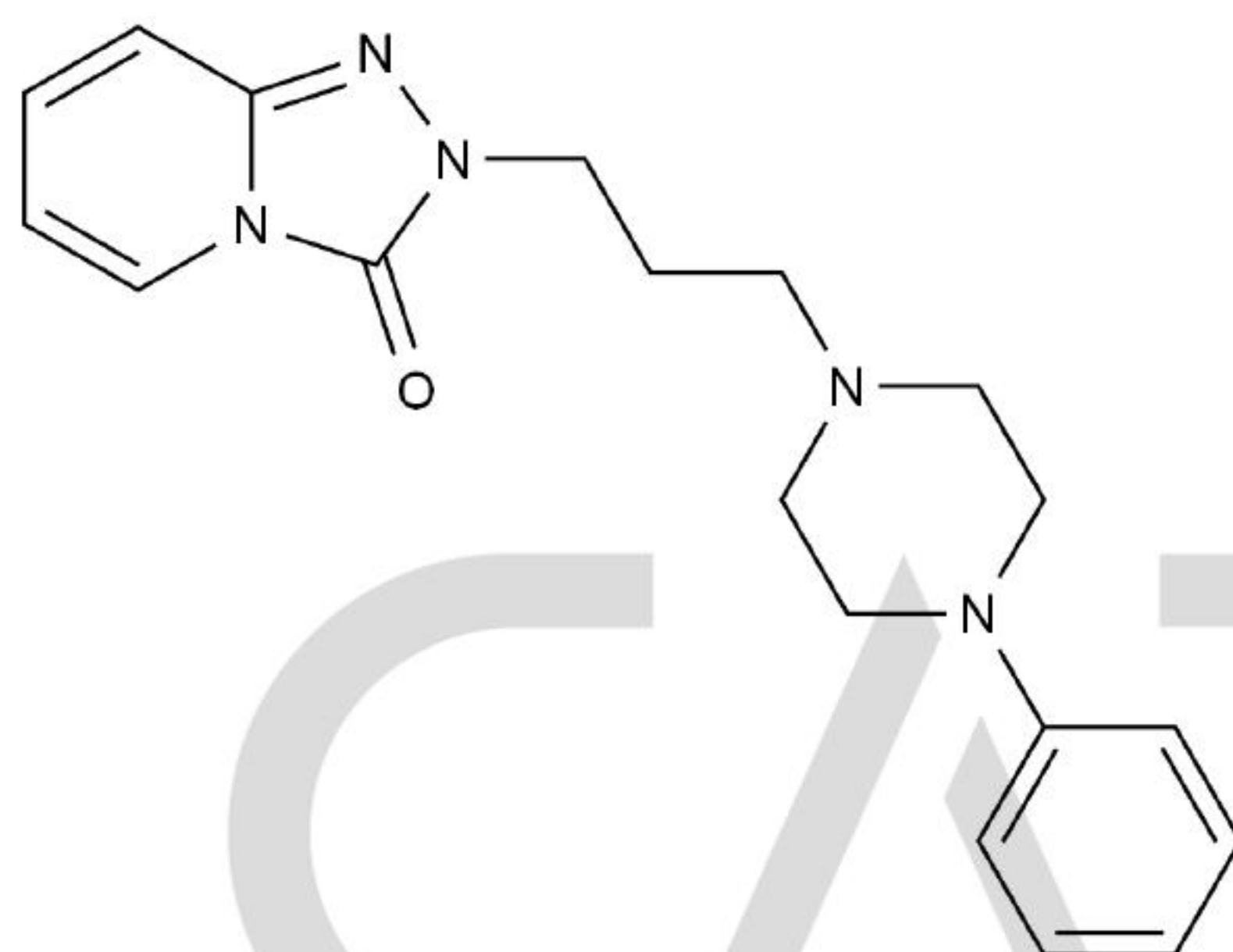


Certificate of Analysis

Reference Material & Standard

Product Name:	Trazodone EP Impurity B	Catalogue Number:	C4X-17721
Synonyms:	2-[3-(4-Phenylpiperazin-1-yl)propyl]-[1,2,4]triazolo[4,3-a]pyridin-3(2H)-one	Lot Number:	0806-RG-0041
CAS Number:	62337-66-0	Expiry Date:	Aug 14, 2029
Molecular Formula:	C19H23N5O	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	337.42	Shipping Condition:	Shipping at room temperature
Solubility:	Soluble in acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.903%
Residue on Ignition	TGA	0.4339%
Loss On Drying	TGA	0.1007%
Assay	qNMR	96.9%
Assay	Mass Balance	96.4%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The retest date of this product is Aug 15, 2028.
3. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Sep 03, 2025

Date: Sep 03, 2025

Date: Sep 03, 2025

