

Certificate of Analysis

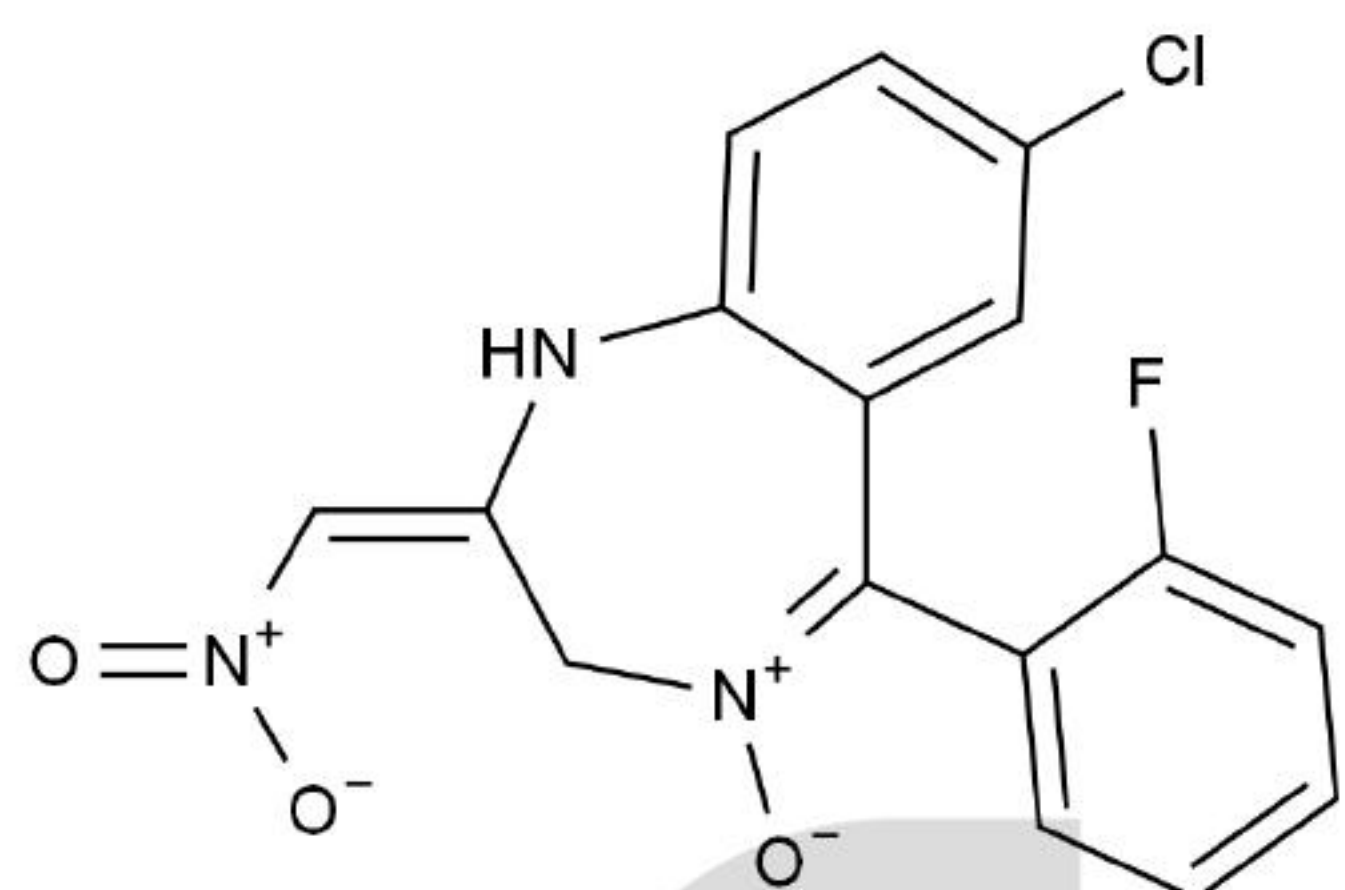
Reference Material & Standard

Product Name:	(E)-7-chloro-5-(2-fluorophenyl)-2-(nitromethylene)-2,3-dihydro-1H-benzo[e][1,4]diazepine 4-oxide	Catalogue Number:	C4X-150912
Synonyms:	N/A	Lot Number:	1018-RF-0088
CAS Number:	60656-76-0	Expiry Date:	Oct 22, 2027
Molecular Formula:	C ₁₆ H ₁₁ ClFN ₃ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	347.73	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.615%
Loss on Drying	TGA	0.6846%
Assay		98.9%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 10, 2024

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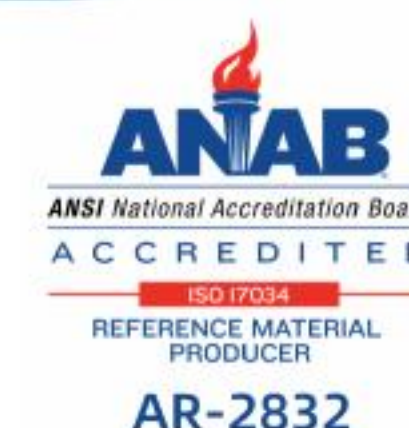
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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