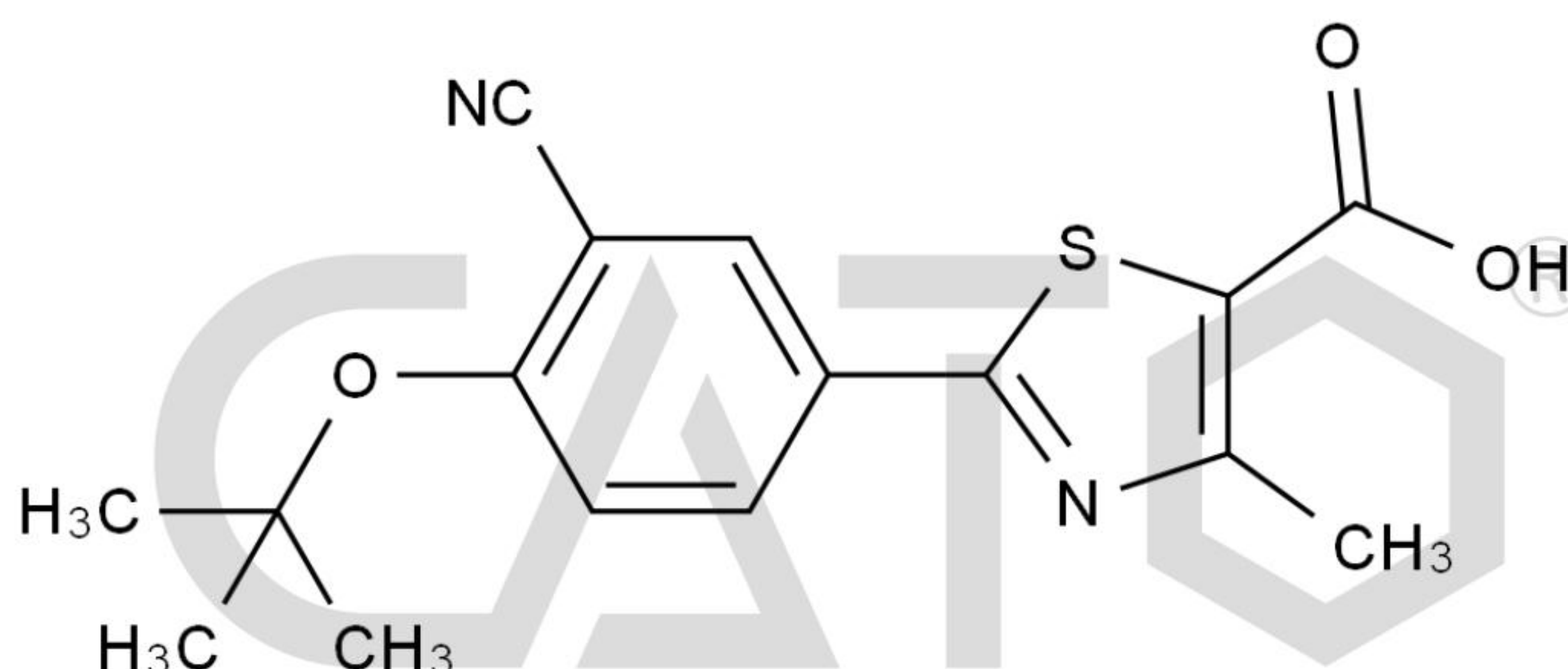


Certificate of Analysis

Reference Material & Standard

Product Name:	Febuxostat t-Butyl Ether Acid Impurity	Catalogue Number:	CP129564
Synonyms:	N/A	Lot Number:	0209-RH-0056
CAS Number:	2418591-43-0	Expiry Date:	Feb 11, 2030
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₃ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	316.37	Shipping Condition:	Shipping with Ice Packs
Solubility:	DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.452%
Loss On Drying	TGA	0.1252%
Assay		97.3%

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: Feb 12, 2026

Date: Feb 24, 2026

Date: Feb 24, 2026



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>

