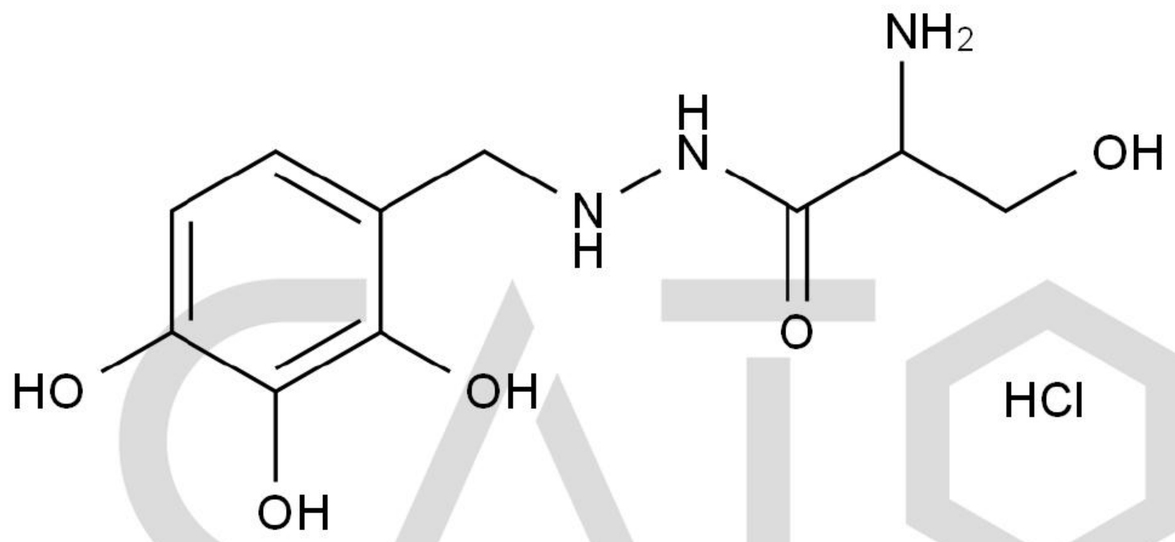
Certificate of Analysis

Reference Material & Standard

Product Name:	Benserazide HCl	**Catalogue Number:**	C4X-1427
Synonyms:	N/A	**Lot Number:**	1028-RH-0136
CAS Number:	14919-77-8	**Expiry Date:**	Nov 04, 2030
Molecular Formula:	$C_{10}H_{15}N_3O_5$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	257.24 36.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.301%
Residue on Ignition	TGA	0.5892%
Loss on Drying	TGA	1.4356%
Assay	qNMR	97.1%
Assay (Assigned Value)	Mass Balance	97.3%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * 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: Alice — Date: Nov 05, 2026

Reviewed by: Koi — Date: Nov 05, 2026

Approved by General Manager: David — Date: Nov 05, 2026

CATO Research Chemicals Inc.