

Certificate of Analysis

Catalogue Number

KL-06-00307

Lot Number

KLP0045AJ01

Product Name

N-Nitroso Brexpiprazole Impurity 1

Synonyms

Tert-butyl 4-nitrosopiperazine-1-carboxylate

CAS Number

877177-42-9

Molecular Formula
 $C_9H_{17}N_3O_3$
Molecular Weight

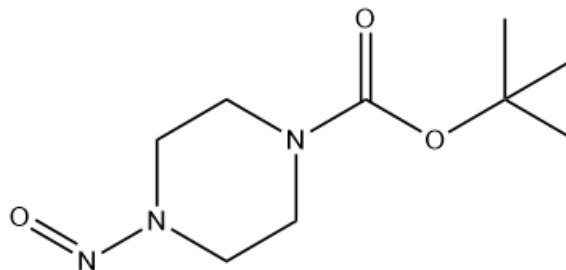
215.3 g/mol

Mfg. Date

10-10-2025

Re-Test Date

08-10-2028

Structure

Shipping Condition

All Product are stable to be shipped at room temperature, unless otherwise specified.

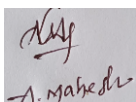
Long Term Storage Conditions

2°C ~ 8°C Protected from light and Sealed

Analytical Information

Test	Specifications	Results
Appearance	Pale Yellow Solid	Pale Yellow Solid
Solubility	Soluble in DMSO, Methanol	Conforms
Purity by HPLC	Not less than 90.00%	98.23%
Identification by ^1H NMR	Conforms to structure	Complies
Identification by Mass	Conforms Molecular Weight	Complies
Identification by IR	Conform functional groups	Complies
Weight Content By TGA	Not specified	0.148%
Residue of Ignition By TGA	Not specified	0.018%
Potency	Not specified	98.07%

Prepared by



Reviewed & Approved by



Note: Use for research & analytical purpose only. Not for human consumption

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