

Certificate of Analysis

7-Nitroso-3- (trifluoromethyl)- 5,6,7,8- tetrahydro-[1,2 ,4]triazolo[4,3- a]pyrazine

Product Number	PSR40967	CAS No.	2892260-32-9
Brand	PureSynth	Lot No.	LAPW03A
Molecular Formula	C ₆ H ₆ F ₃ N ₅ O	Date of Mfg.	March.2023
Molecular Weight	221.14 g/mol	Date of Exp.	Feb.2027

Test	Specification	Result
Description	White Solid	White Solid
Assay (HPLC)	> 98.0 %	98.50 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by LC-MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

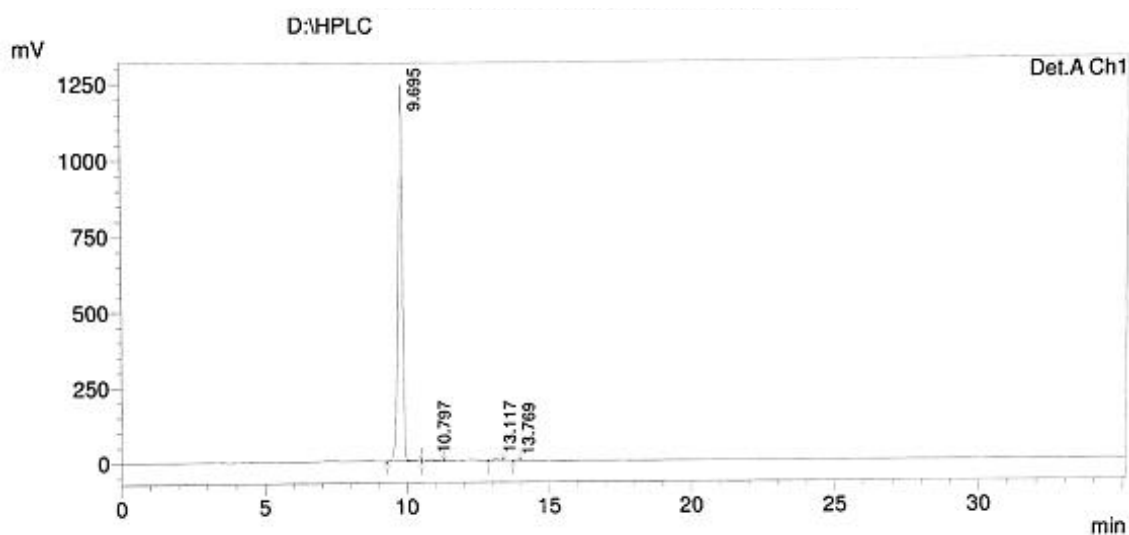
Storage Condition: Store at a temperature of 2 to 8 °C and keep container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

Assay by HPLC



PeakTable

Detector A Ch1 254nm

Peak#	Ret. Time	Area	Height	Area %	Height %
1	9.695	12615563	1251824	98.503	98.478
2	10.797	106041	10236	0.828	0.805
3	13.117	75020	7766	0.586	0.611
4	13.769	10703	1344	0.084	0.106
Total		12807327	1271171	100.000	100.000

Purity by GC-FID: 98.50 %

IDENTIFICATION TESTS

MS Spectrum:

METHOD: MS conditions:

Column: Agilent Technologies, Elite -5MS, 30 m X 0.25 mm, 1.0micron

Instrument: Perkin Elmer, **Carrier gas:** Helium

Source Temp.: 230°C, **Transfer line:** 250°C

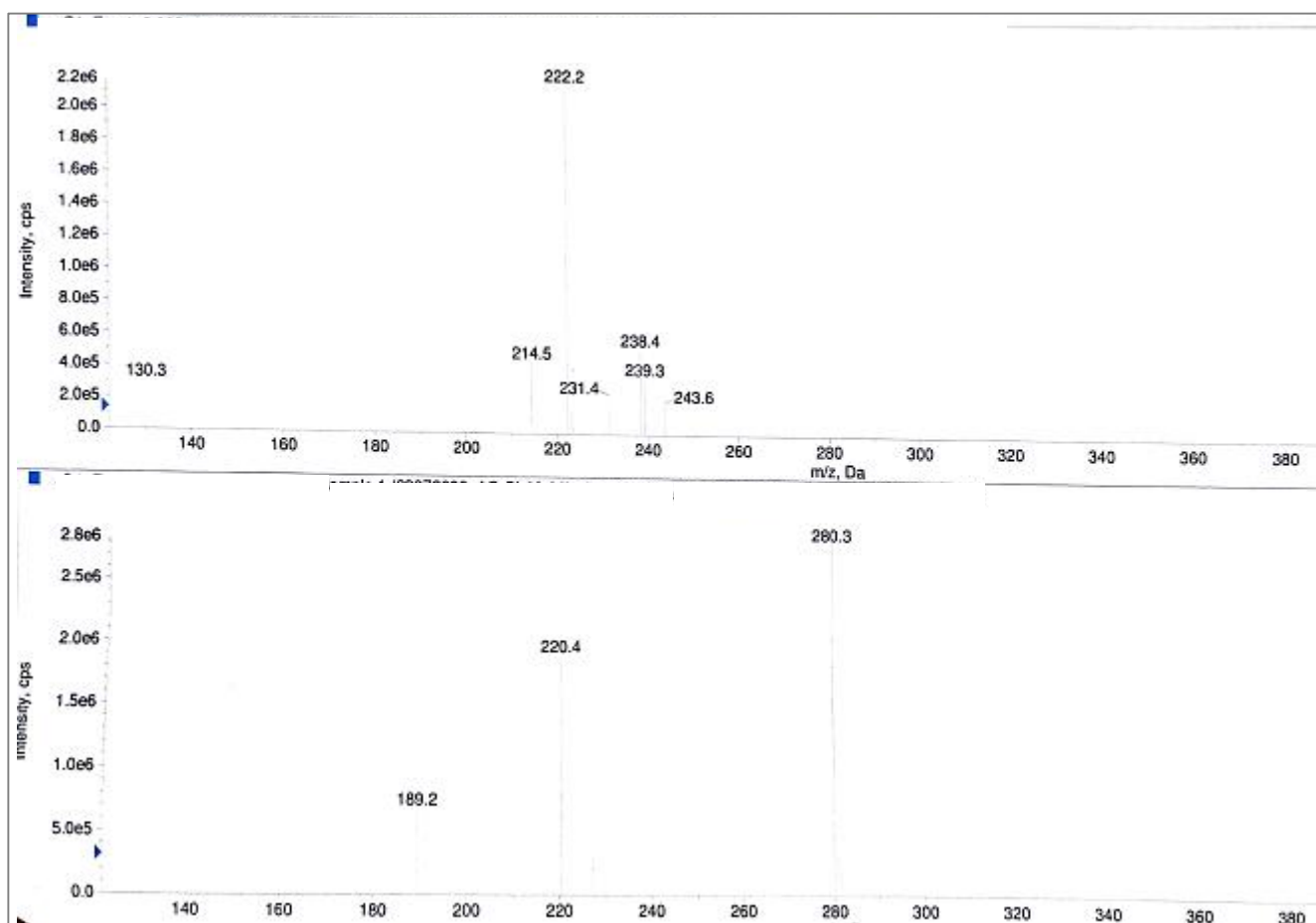
Inlet Temp.: 180°C, **Diluent:** Methanol

Source energy: 70eV

Mass by MS:

Product Name: 7-Nitroso-3- (trifluoromethyl)- 5,6,7,8- tetrahydro-[1,2,4]triazolo[4,3- a]pyrazine

Product Code: PSR40967



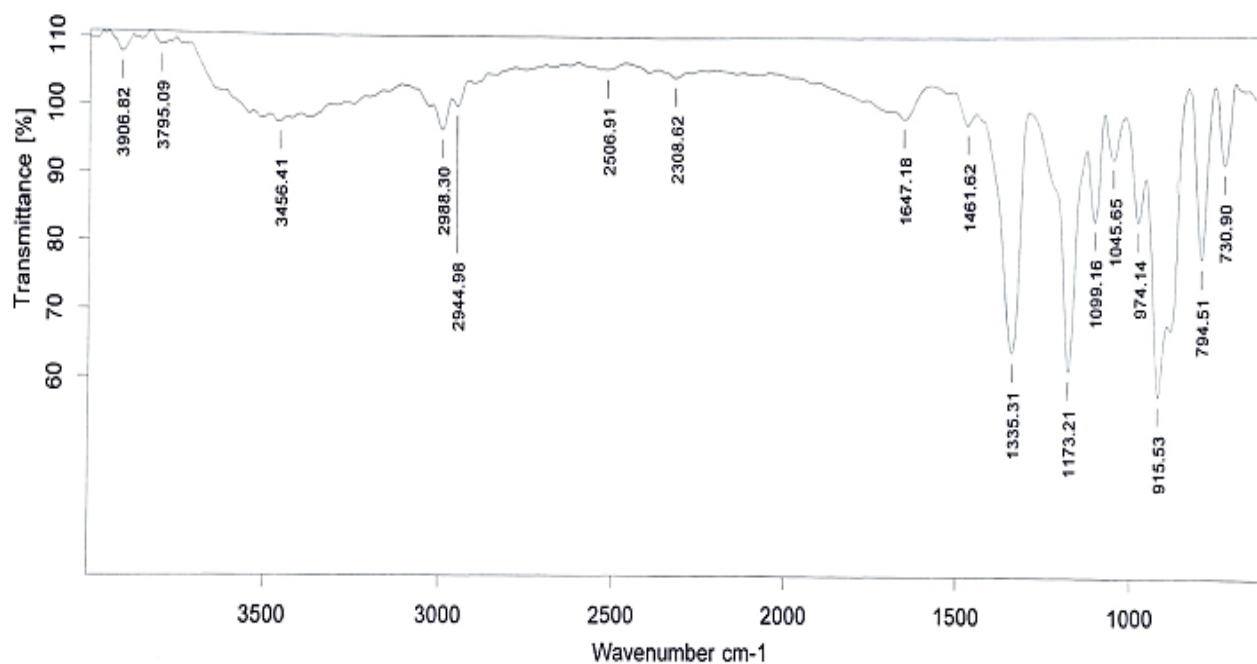
Identification by MS: Conforms to molecular mass

Infrared spectrum:

Product Name: 7-Nitroso-3- (trifluoromethyl)- 5,6,7,8- tetrahydro-[1,2,4]triazolo[4,3- a]pyrazine

Product Code: PSR40967

IR ANALYSIS REPORTS

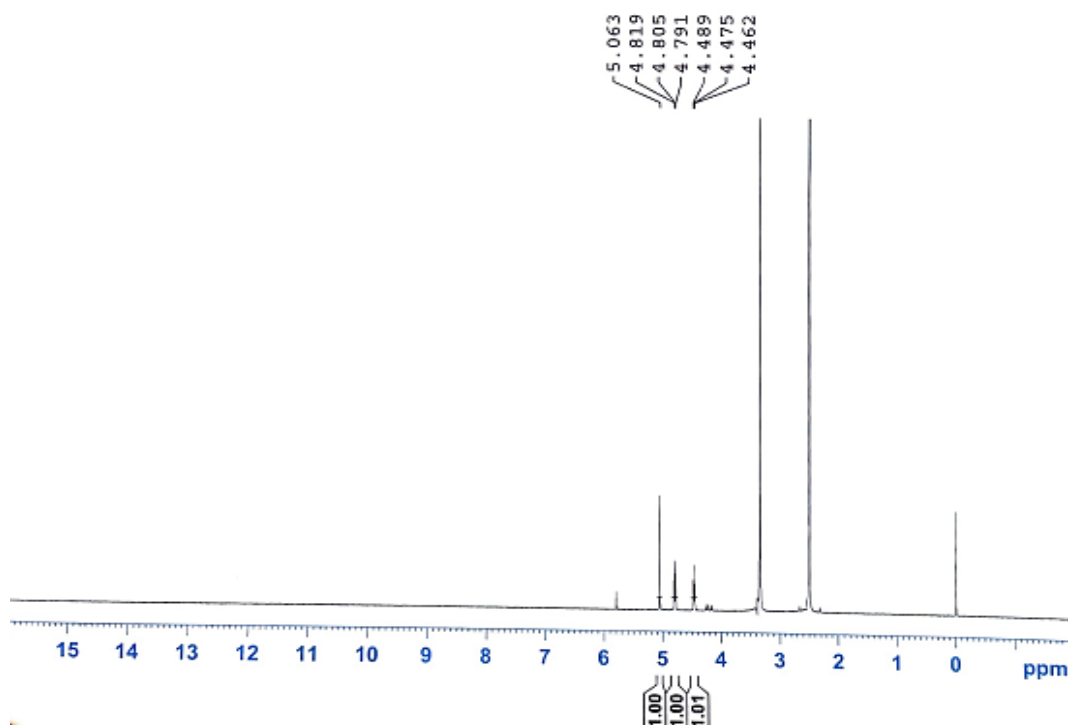


Identification by IR: Conforms to structure

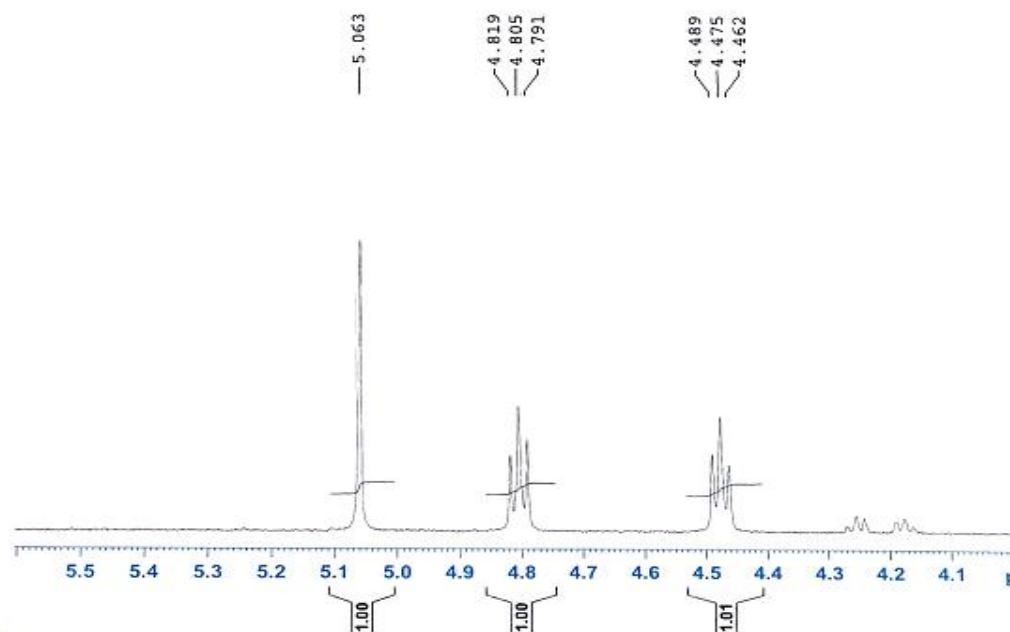
¹H NMR Spectrum:

Product Name: 7-Nitroso-3- (trifluoromethyl)- 5,6,7,8- tetrahydro-[1,2,4]triazolo[4,3- a]pyrazine

Product Code: PSR40967



NMR Expansion



Identification by ¹H NMR: Conforms to structure

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

Approved By
Head - Technical

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com