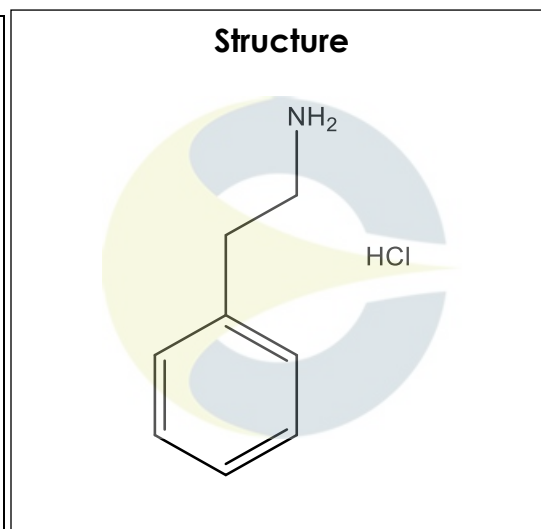


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PRODUCT NAME	Phenylethylamine HCl
PART NUMBER	00016459
STANDARD TYPE	Primary (P)
LOT NUMBER	00016459-N01
REPORT NUMBER	CDXA-RSS-1910-02
SAMPLE NUMBER	CDXA-07-1880
DATE OF SAMPLE	07/26/2007
DATE OF RE-EVALUATION	04/25/2012(1 st); 08/24/2016(2 nd); 09/29/2020(3 rd)
DATE OF REPORT	10/20/2020



CHEMICAL NAMES	Benzeneethanamine hydrochloride (1:1); Phenethylammonium chloride; β Phenylethylamine hydrochloride
CHEMICAL FORMULA	C ₈ H ₁₁ N • HCl
MOLECULAR WEIGHT (MW)	157.64
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[156-28-5]
EC#(EINECS)	205-849-2
RTECS	SH7175000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.8%
HPLC	0.700.10.2.METH22	≥ 90%	99.9%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	Direct Infusion, ESI (+)	Conforms	Conforms
Residual Solvent	CDXA-AM-001-04	NA	Dimethylformamide – 0.1%
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

ADJUSTED PURITY: 99.8% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.9% HPLC

STORAGE CONDITIONS

STORAGE	Room Temperature in a dry place.
EXPIRATION DATE	09/2025 under the above conditions.

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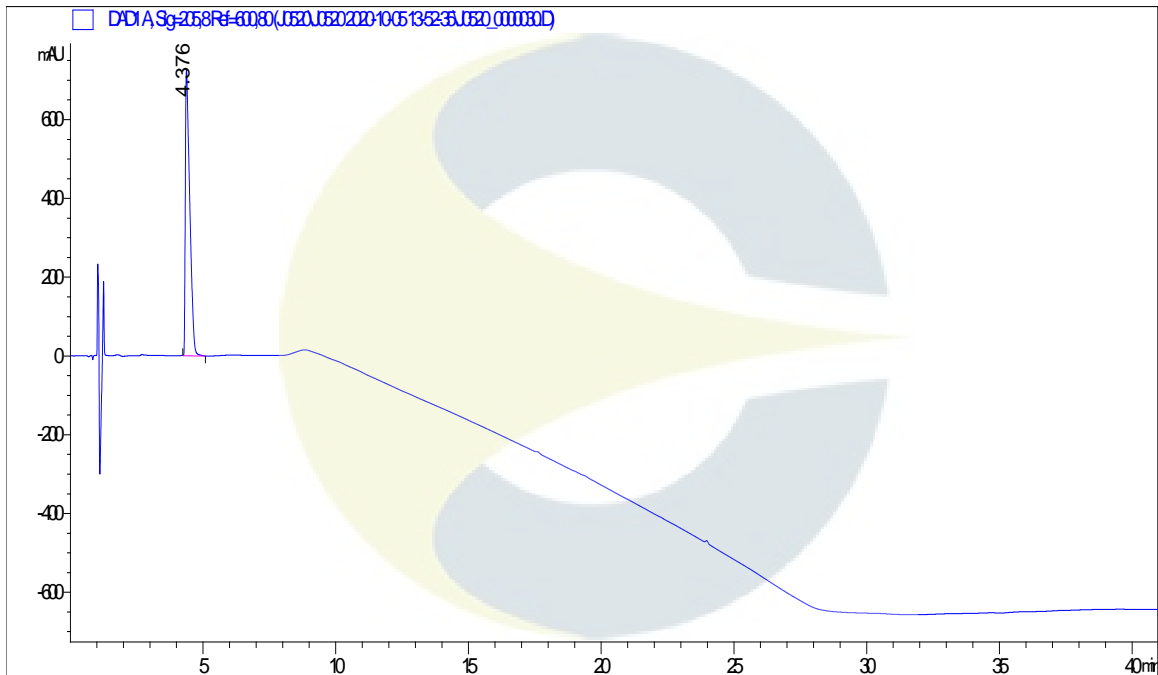
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); FINNIGAN LCQ-DECA
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	205 ± 4 nm

HPLC CHROMATOGRAM OF PHENYLETHYLAMINE HCl (CDXA-07-1880)



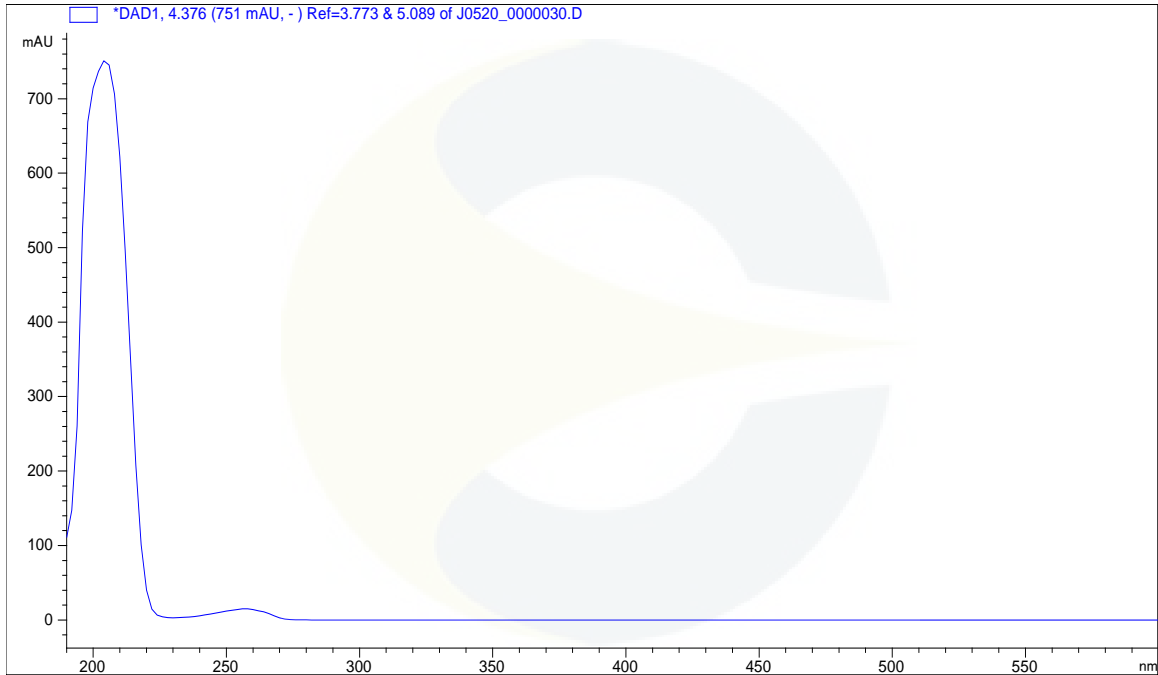
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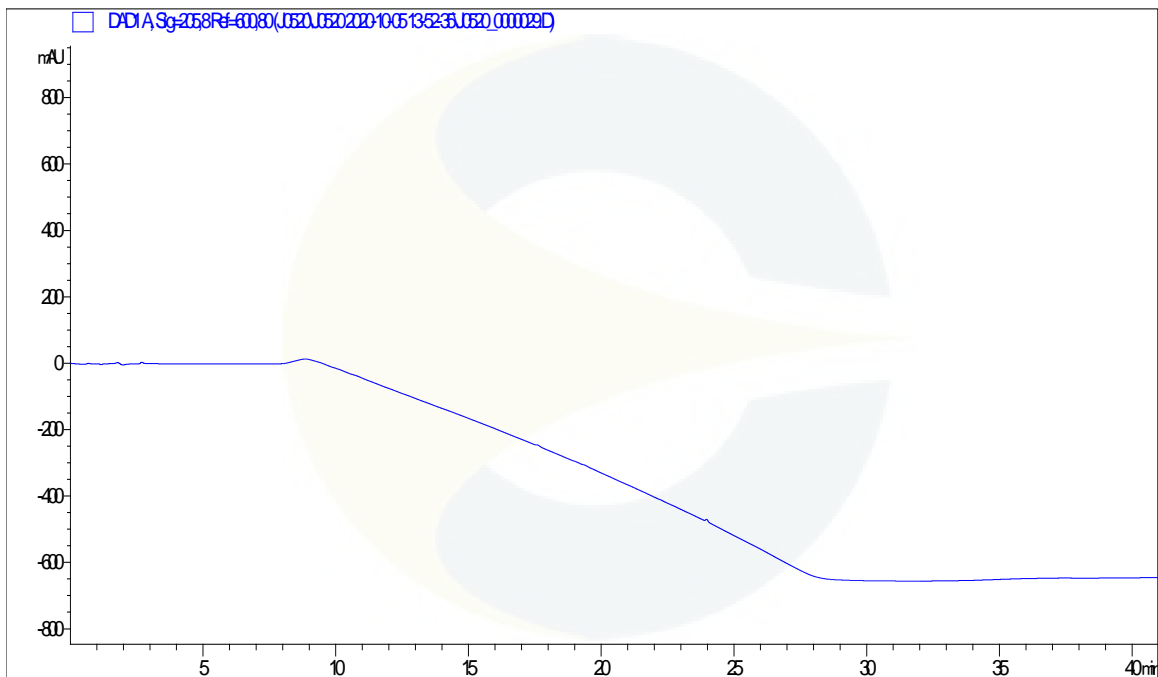
India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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UV SPECTRUM AT RT = 4.4 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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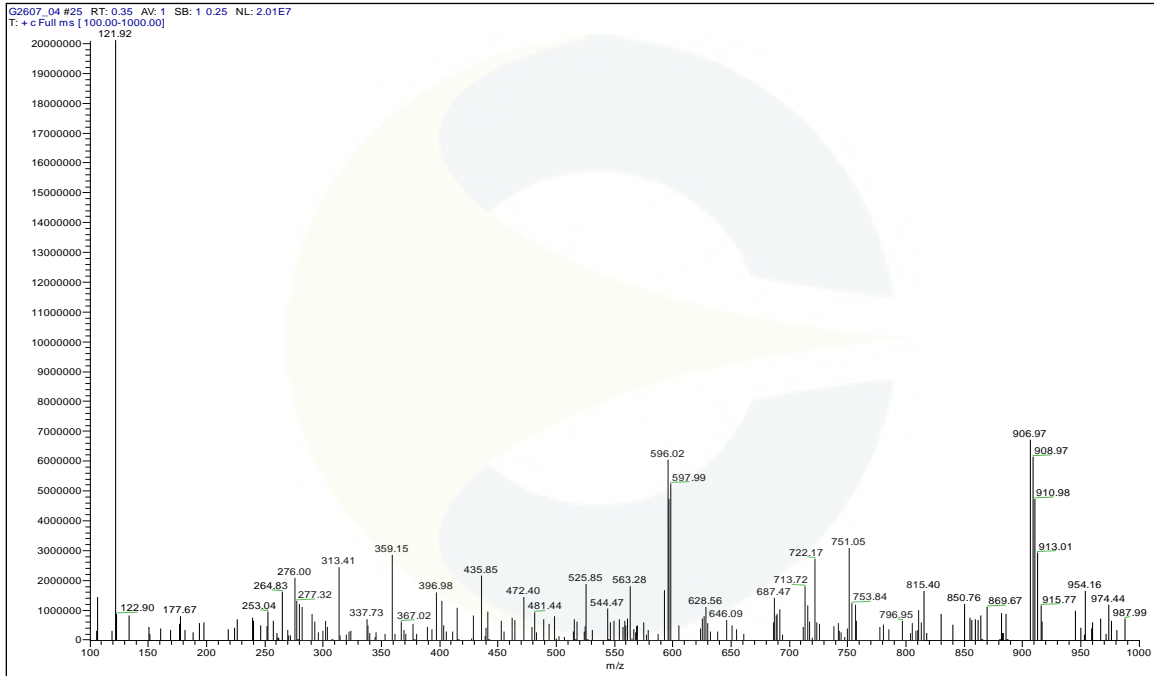
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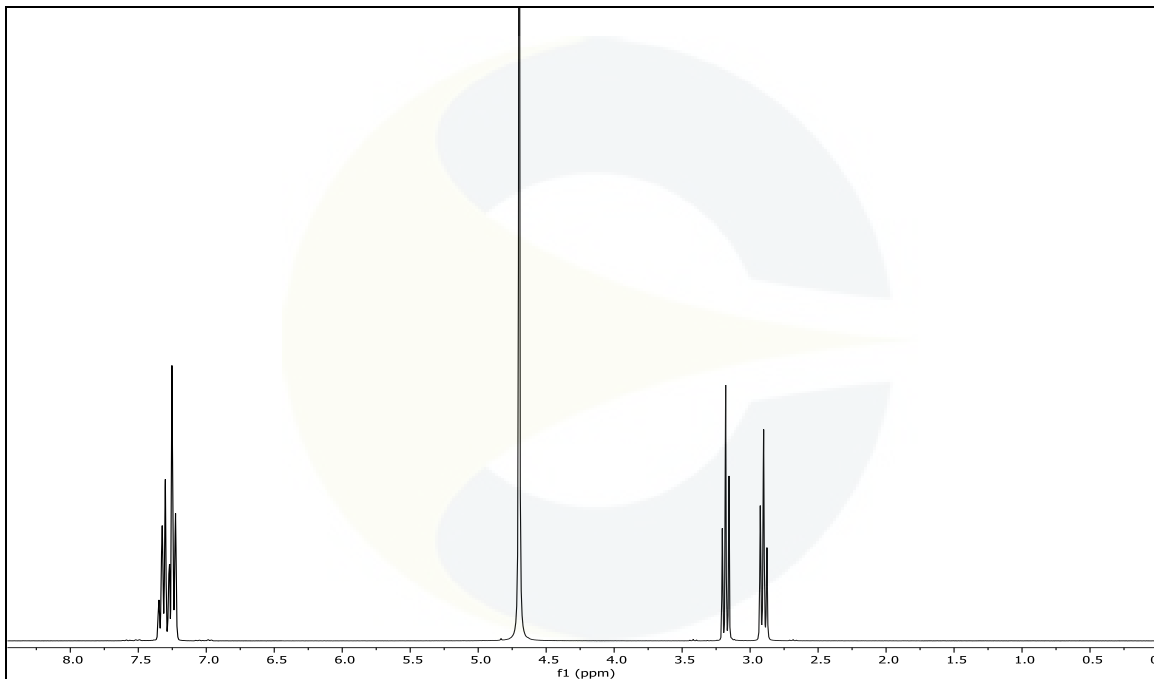
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MASS SPECTRUM OF PHENYLETHYLAMINE HCl (CDXA-07-1880)



¹H-NMR SPECTRUM OF PHENYLETHYLAMINE HCl (CDXA-07-1880) IN D₂O

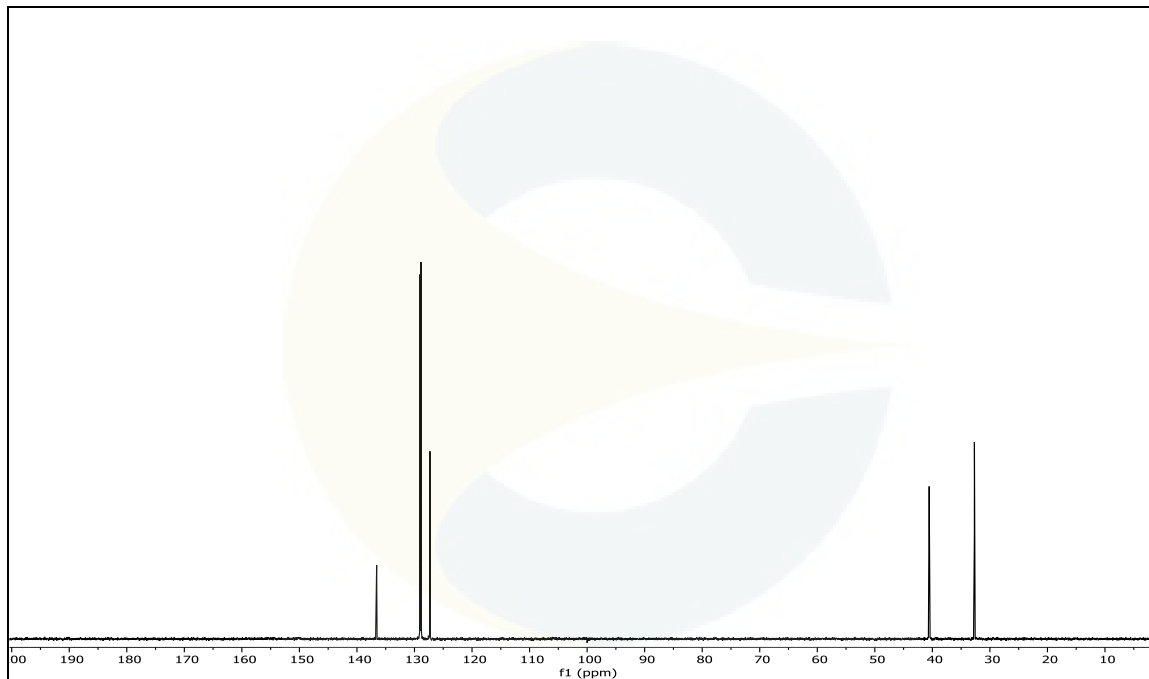


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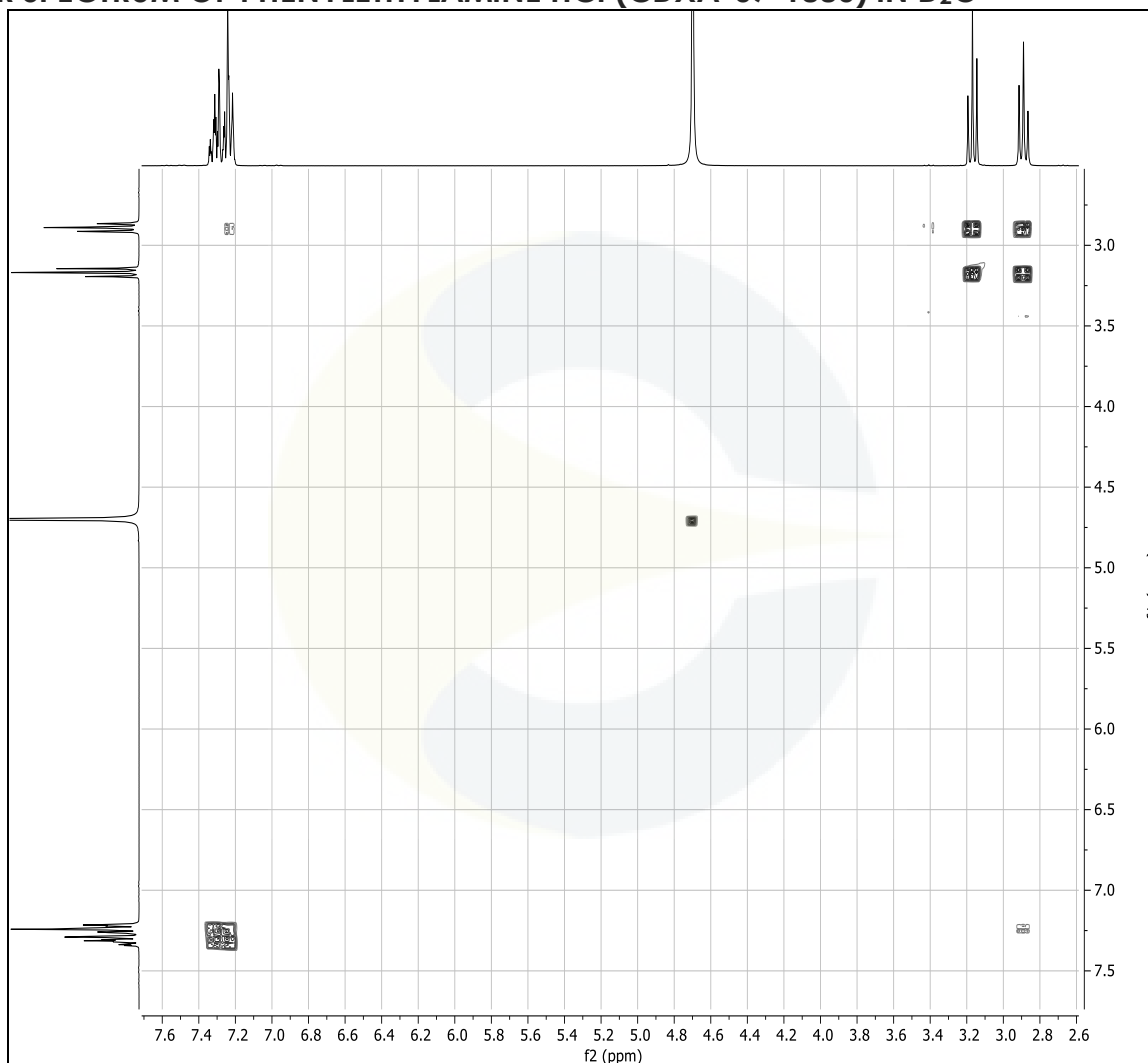
¹³C-NMR SPECTRUM OF PHENYLETHYLAMINE HCl (CDXA-07-1880) IN D₂O



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COSY-NMR SPECTRUM OF PHENYLETHYLAMINE HCl (CDXA-07-1880) IN D₂O

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/17/2012	New report and first re-evaluation.
01	09/09/2016	Passed second re-evaluation by HPLC, KF. Updated expiration date
02	10/20/2020	Passed third re-evaluation by HPLC and KF. Updated expiration date, analytical conditions, analytical results, chromatograms, and added NMR spectra. Removed melting point.

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