

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

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RESULTS AND DISCUSSION

Chromatogram of nefazodone. The x-axis represents Time (min) from 2.00 to 6.00. The y-axis represents relative intensity from 0 to 100. The chemical structure of nefazodone is shown above the peak at 6.20 min. The peak at 6.20 min is labeled as 1. TOP MS ES+ and 7.00k.

Topologies | Advanced Settings | Pre-Process Data | MS/MS | Elemental Composition
 Metabolites | MS Trees | PDB Trees | Analing Trees | Phase Profiles | Instrument Alerts

Expected Metabolites

Phase	Formula	Description	Mass
2.008	CH ₂ O ₂	Formic Acid Oxidation to oxalic acid	NA
1.205	CH ₂ O ₂	Isopropanol to isopropanol acid	NA
1.205	CH ₂ O	Formaldehyde to methanol	0.0001
15.008	CH ₂ O ₂	Formaldehyde + dehydroalanine	0.0001
15.008	CH ₂ O ₂	Formic acid oxidation	0.0001
15.008	CH ₂ O	Formaldehyde to methanol	0.0001
17.014	CH ₂ O ₂	Formaldehyde + 2 x hydroxyacetaldehyde	0.0001
17.014	CH ₂ O	Formaldehyde	0.0001

Mass Defect Filter: 0.00
 Tolerance (in g/mol): 0.01

Metastable Phases To Process: None
 Dissolution Tool: None

☒ Phase 1 only
☐ Phase 2 only


Maximum number of bonds to build: 100

Contains Metabolites: ☐

Nefazodone Dealkylated Metabolites
Fractional Mass Vs Nominal Mass

Nominal Mass	Mass Defect
200	0.07
250	0.09
300	0.12
350	0.15
400	0.18
450	0.21
500	0.23

Name






MW g/mol	332
Molar Mass	455.2245
Formula	C ₂₂ H ₁₆ N ₂ O ₃
DOS	12

Experiment

Molar ref. off.	1.00
Fragment number of bonds	1
Pink	show

Results

 R₅=33, R₆₁=C(=O) R₆₁=C(=O), C₆₄=O	 R₅=41, R₆₁=C(=O) R₆₁=C(=O), C₆₄=O	 R₅=41, R₆₁=C(=O) R₆₁=C(=O), C₆₄=O
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[illegible]

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YEAR LEGACY