



CERTIFICATE OF ANALYSIS

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1. Identification

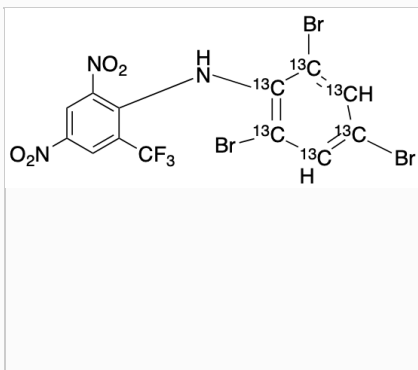
Catalogue Number: D291202

CAS Number: NA

Product: Desmethyl Bromethalin-¹³C₆

Synonym: 2,4-Dinitro-N-(2,4,6-tribromophenyl)-6-(trifluoromethyl)benzenamine-¹³C₆;

Structure:



Molecular Formula:

C₇¹³C₆H₅Br₃F₃N₃O₄

Molecular weight:

569.86

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Very Slightly)

Lot Number: 16-YHU-143-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Yellow to Dark Yellow Solid	Dark Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 27.44, %H: 0.84, %N: 7.30
HPLC Purity	Report Result	98.61% (210 nm)
MS	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.2%

Additional Information:

Normalized Intensity: ¹³C₀ = 0.00%, ¹³C₁ = 0.06%, ¹³C₂ = 0.00%,
¹³C₃ = 0.00%, ¹³C₄ = 0.21%, ¹³C₅ = 4.19%, ¹³C₆ = 95.54%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjit Kaur	Toni Rantanen	Chanell Chu	3/1/2024	2/28/2028