



CERTIFICATE OF ANALYSIS

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1. Identification

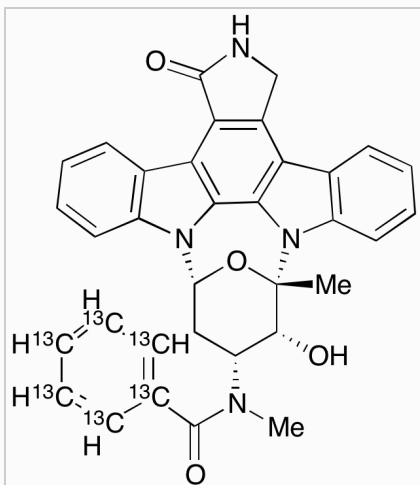
Catalogue Number: D291402

CAS Number: NA

Product: O-Desmethyl Midostaurin-13C6

Synonym: N-[(9S,10R,11R,13R)-2,3,10,11,12,13-Hexahydro-10-hydroxy-9-methyl-1-oxo-9,13-epoxy-1H,9H-diindolo[1,2,3-gh:3',2',1'-lm]pyrrolo[3,4-j][1,7]benzodiazonin-11-yl]-N-methylbenzamide-13C6; CGP 62221-13C6; O-Desmethyl-PKC 412-13C6

Structure:



Molecular Formula:

$C_{28}^{13}C_6H_{28}N_4O_4$

Molecular weight:

562.57

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Ethyl Acetate (Slightly)

Lot Number: 2-MNK-93-6

Purity: 96%

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

Storage Condition: -20°C, Hygroscopic

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Pale Beige Solid	Pale Yellow to Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 71.05, %H: 4.91, %N: 9.55
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.0%
HPLC Purity	Report Result	96.64% (290 nm)

Additional Information:

Normalized Intensity: $^{13}C_0$ = 0.00%, $^{13}C_1$ = 0.79%, $^{13}C_2$ = 0.38%, $^{13}C_3$ = 0.00%, $^{13}C_4$ = 0.28%, $^{13}C_5$ = 6.05%, $^{13}C_6$ = 92.50%
Contains: ~0.8% Dichloromethane

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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
Evan Burns	Toni Rantanen	Chanell Chu	10/20/2022	10/18/2026
				