

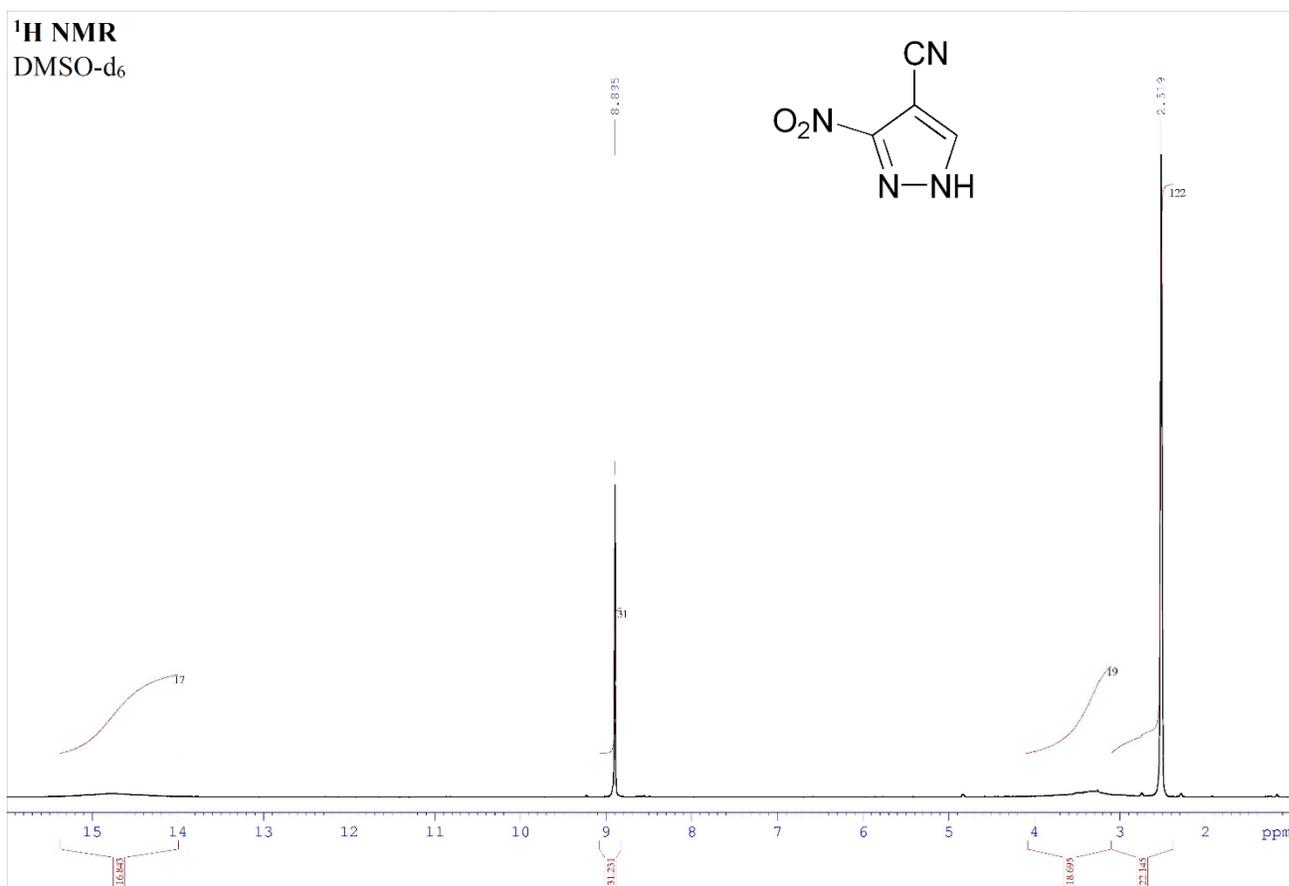
The first example of a cine-substitution in a series of 1,3-dinitropyrazoles

Tatyana K. Shkineva¹, Svetlana A. Krasnova¹, Igor L. Dalinger^{1*}

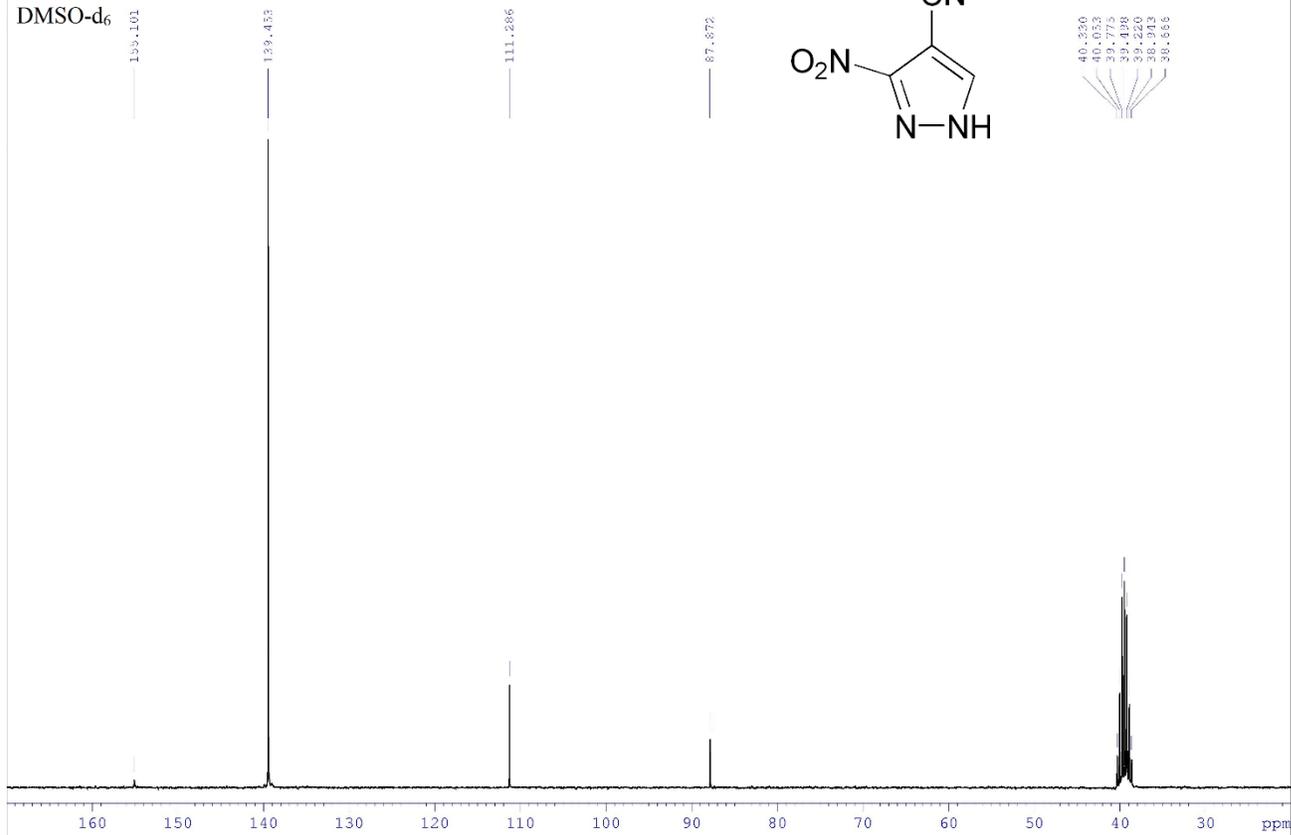
¹ *N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences,
47 Leninsky Ave., Moscow 119991, Russia; e-mail: dalinger@ioc.ac.ru*

Supplementary Information

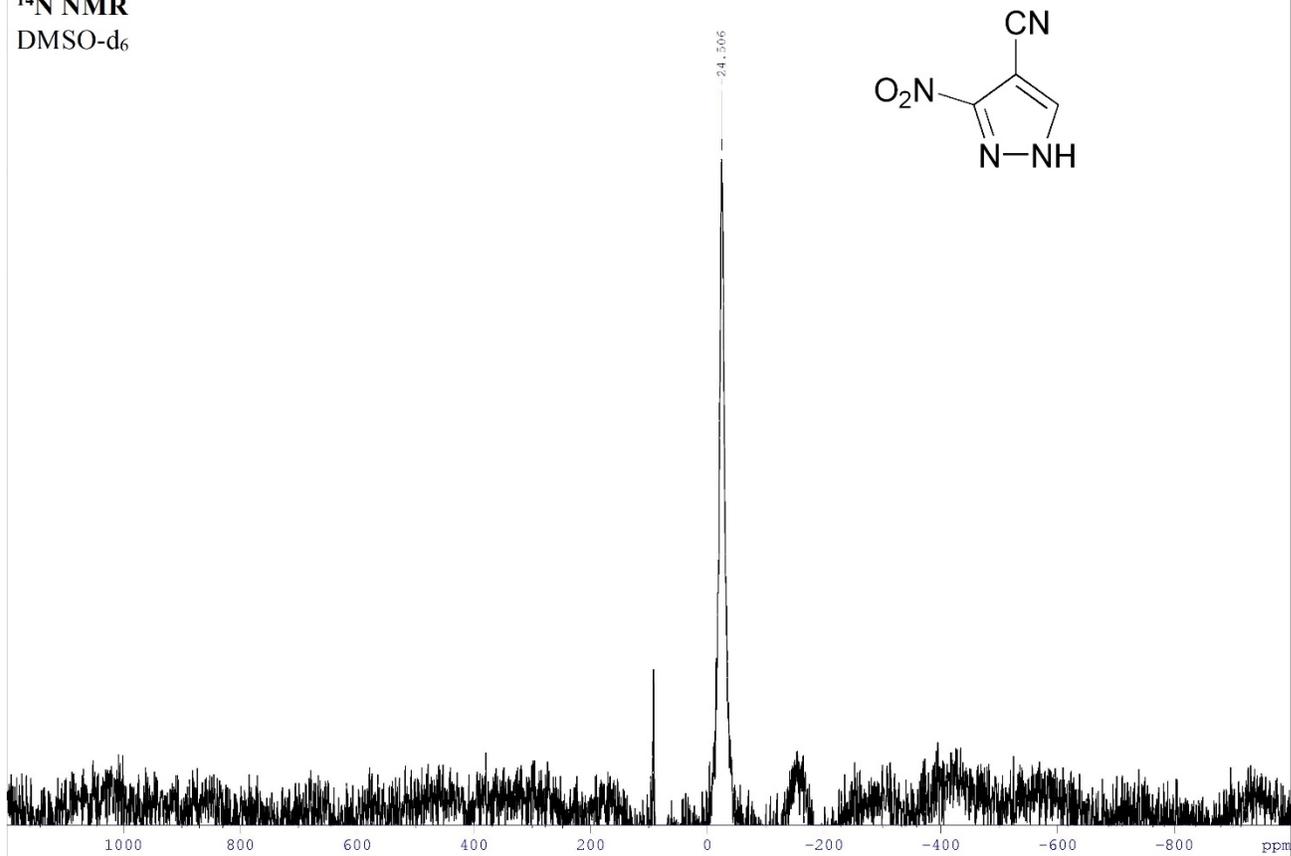
^1H , ^{13}C , and ^{14}N Spectra of synthesized compounds



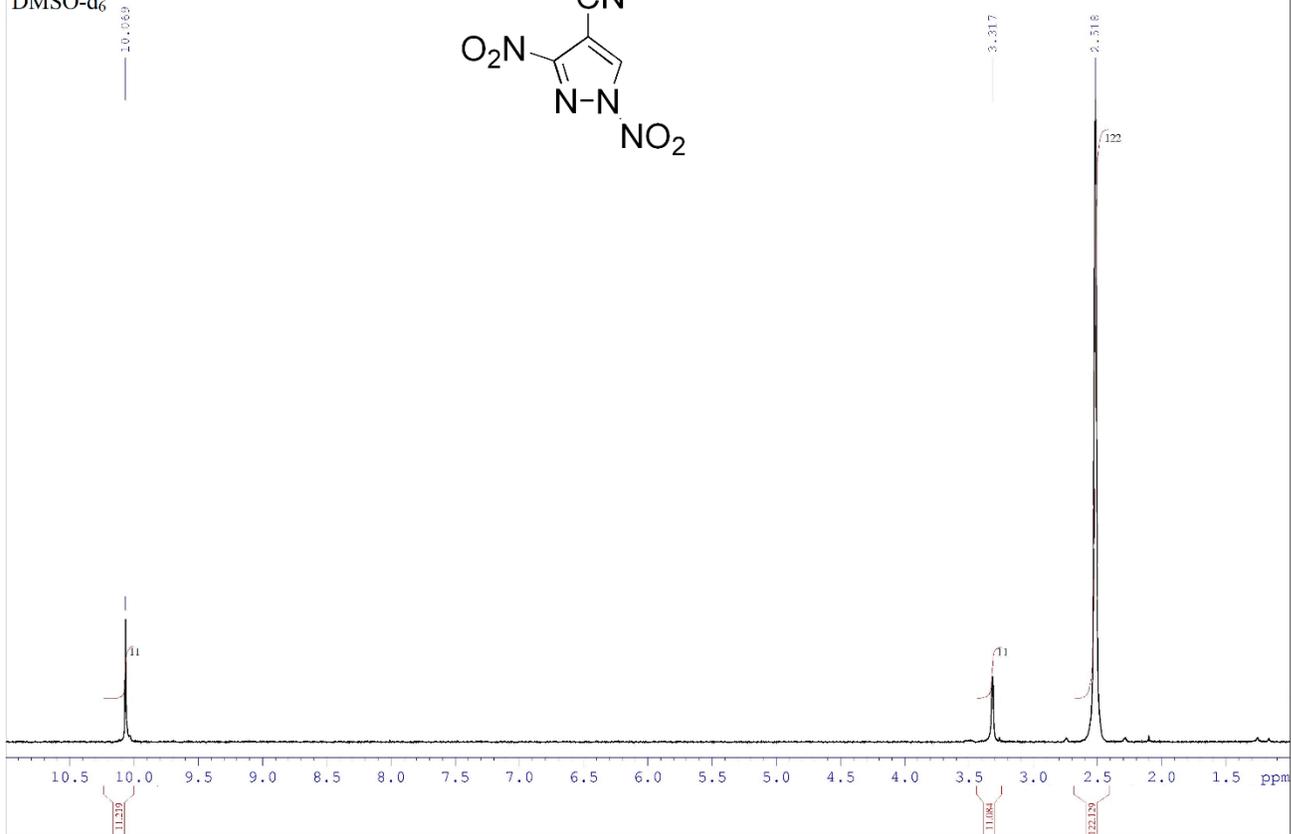
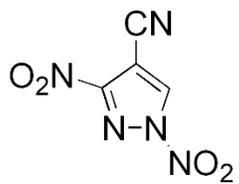
¹³C NMR
DMSO-d₆



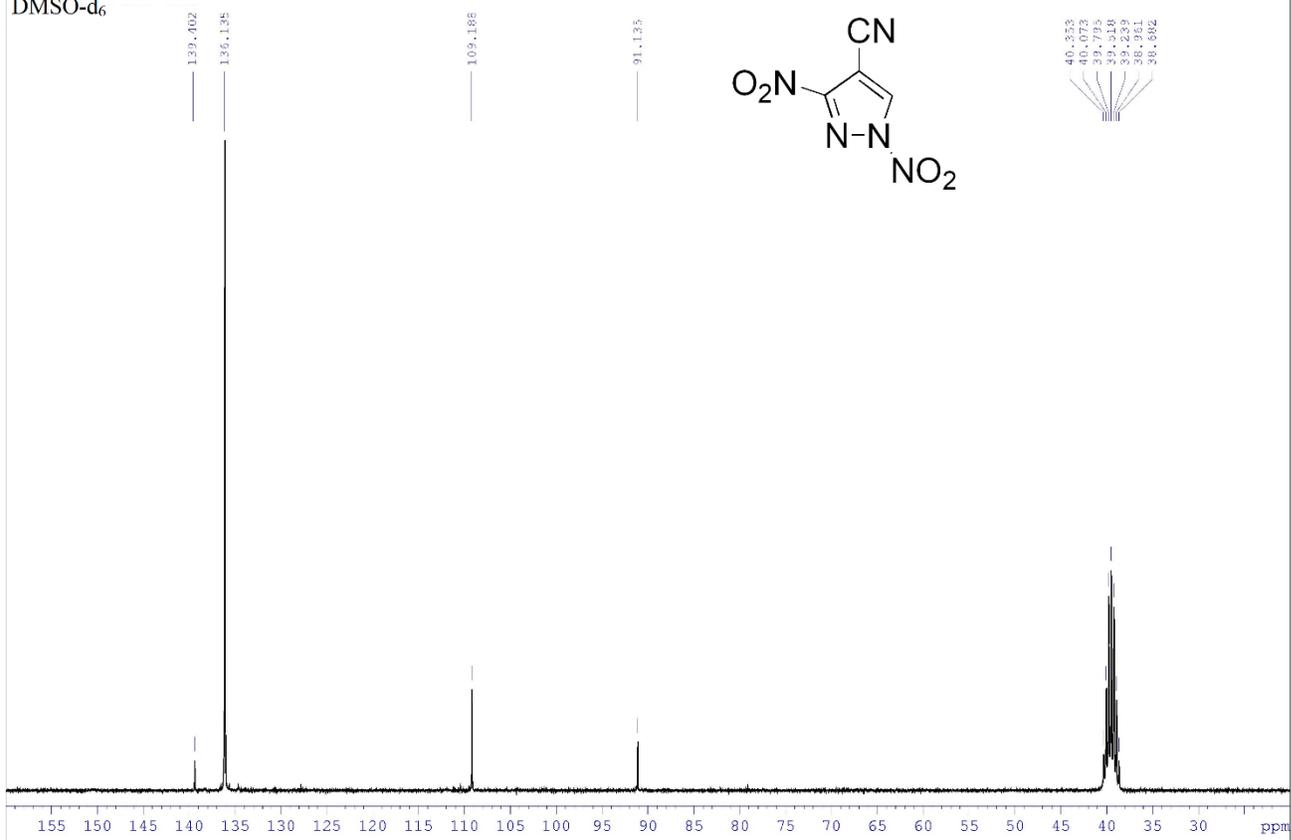
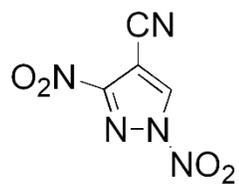
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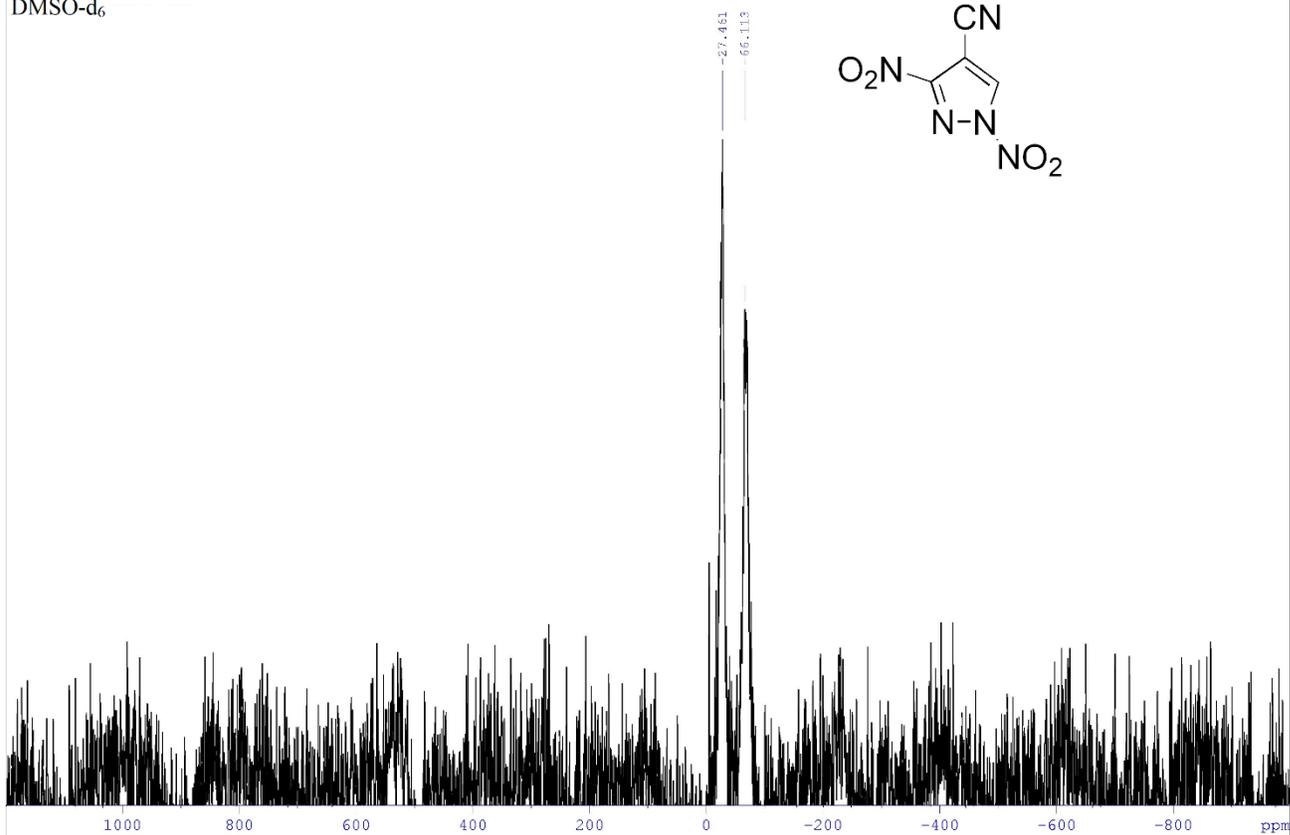
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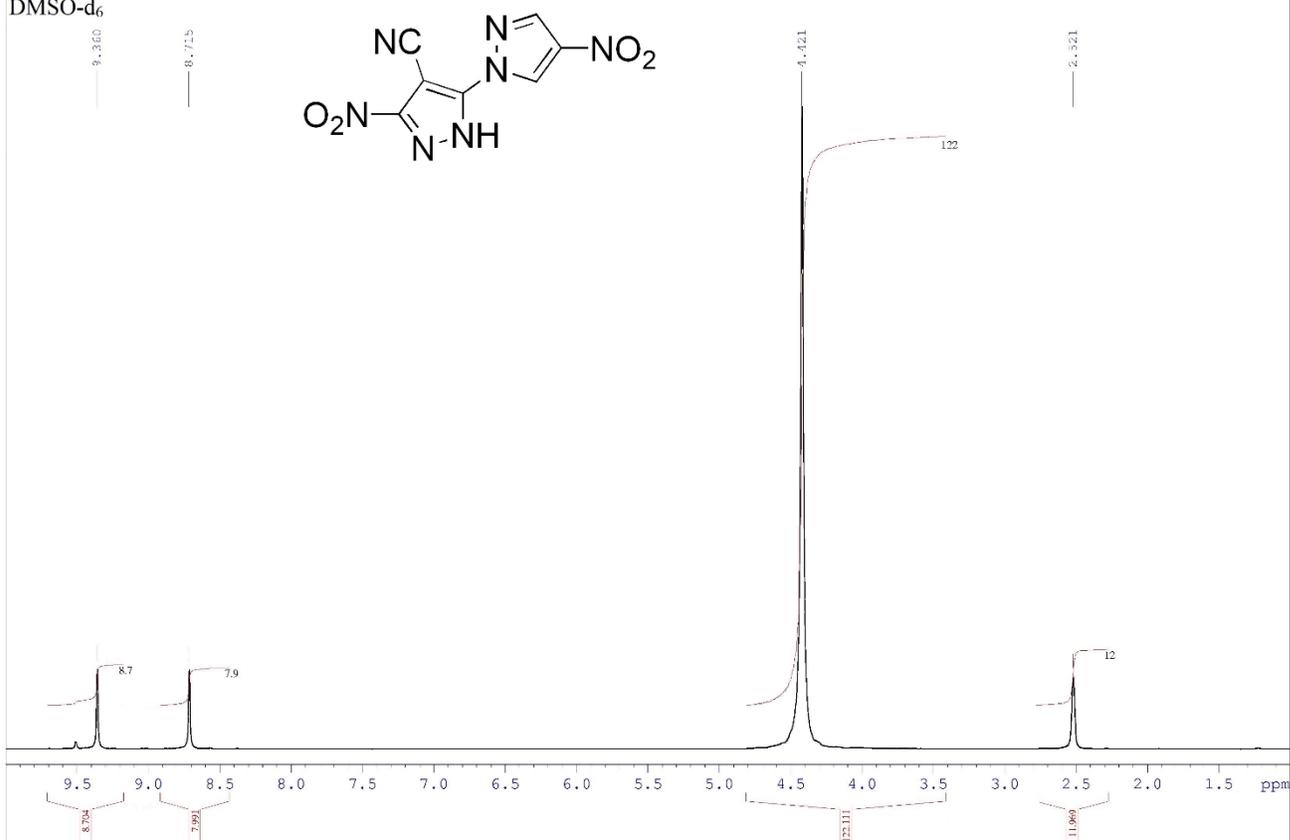
¹³C NMR
DMSO-d₆



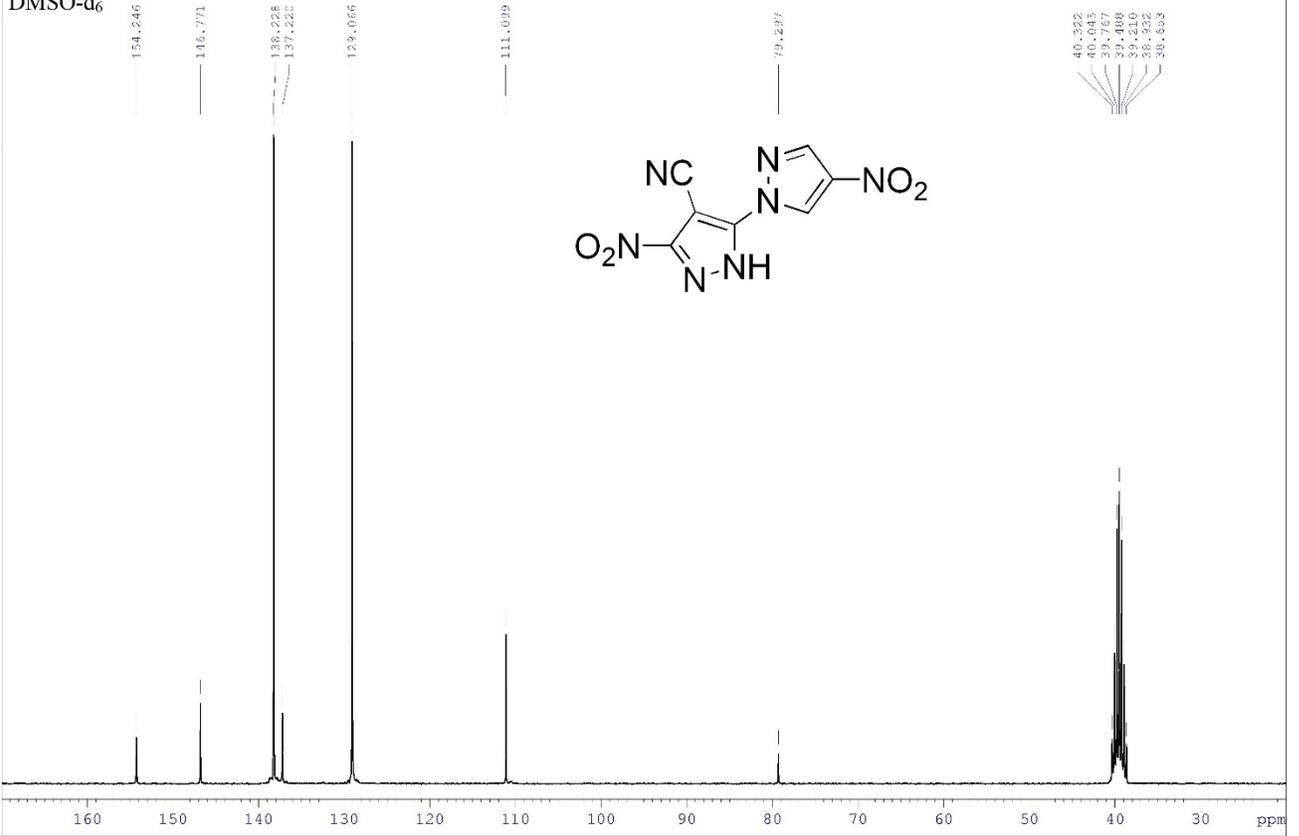
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DMSO-d₆



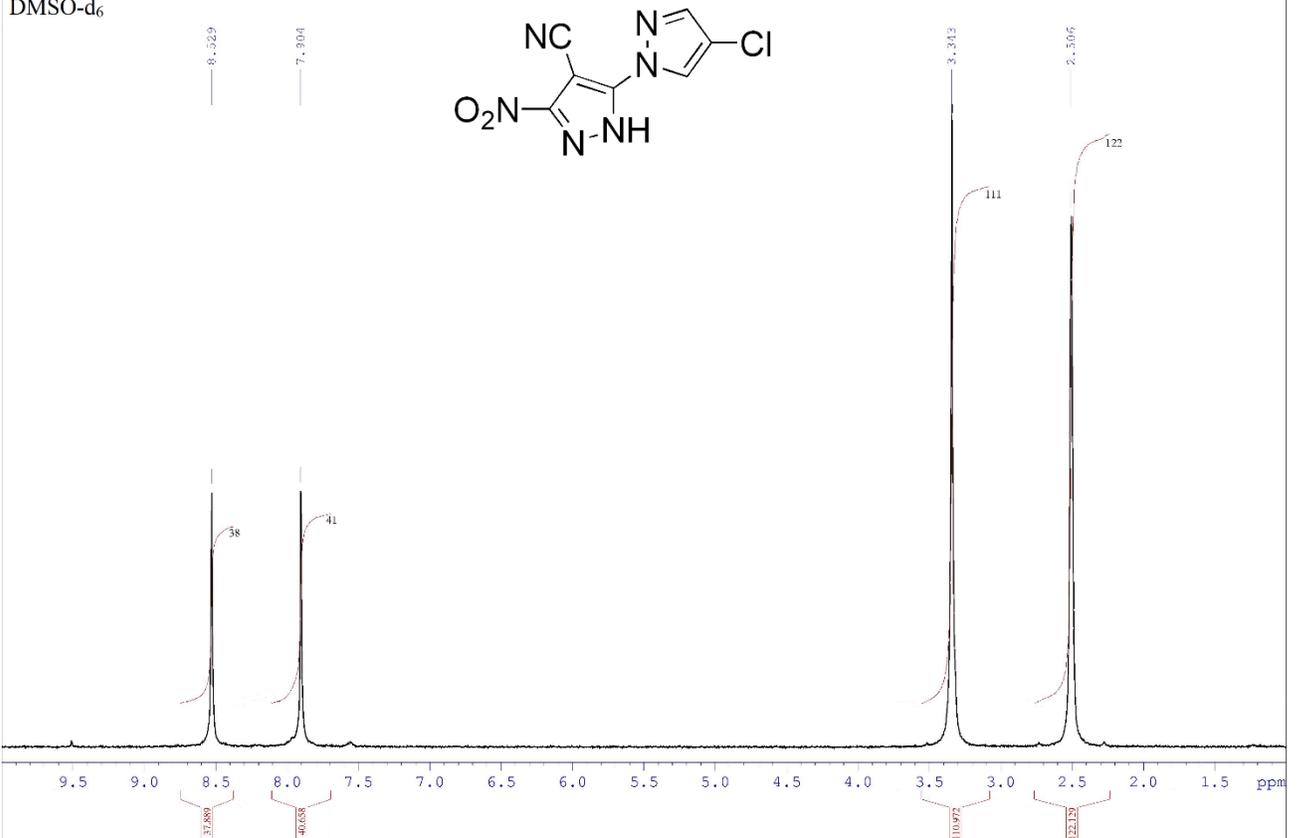
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DMSO-d₆



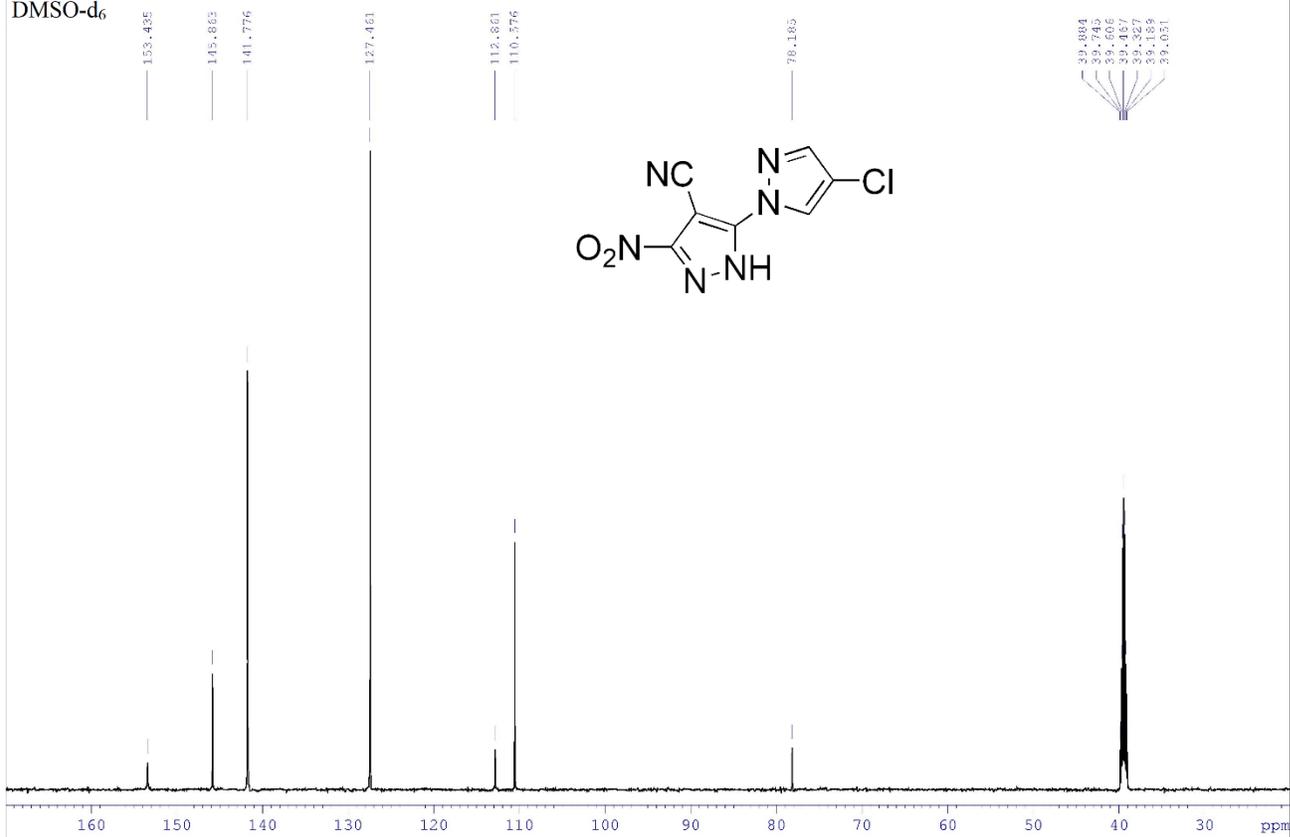
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DMSO-d₆



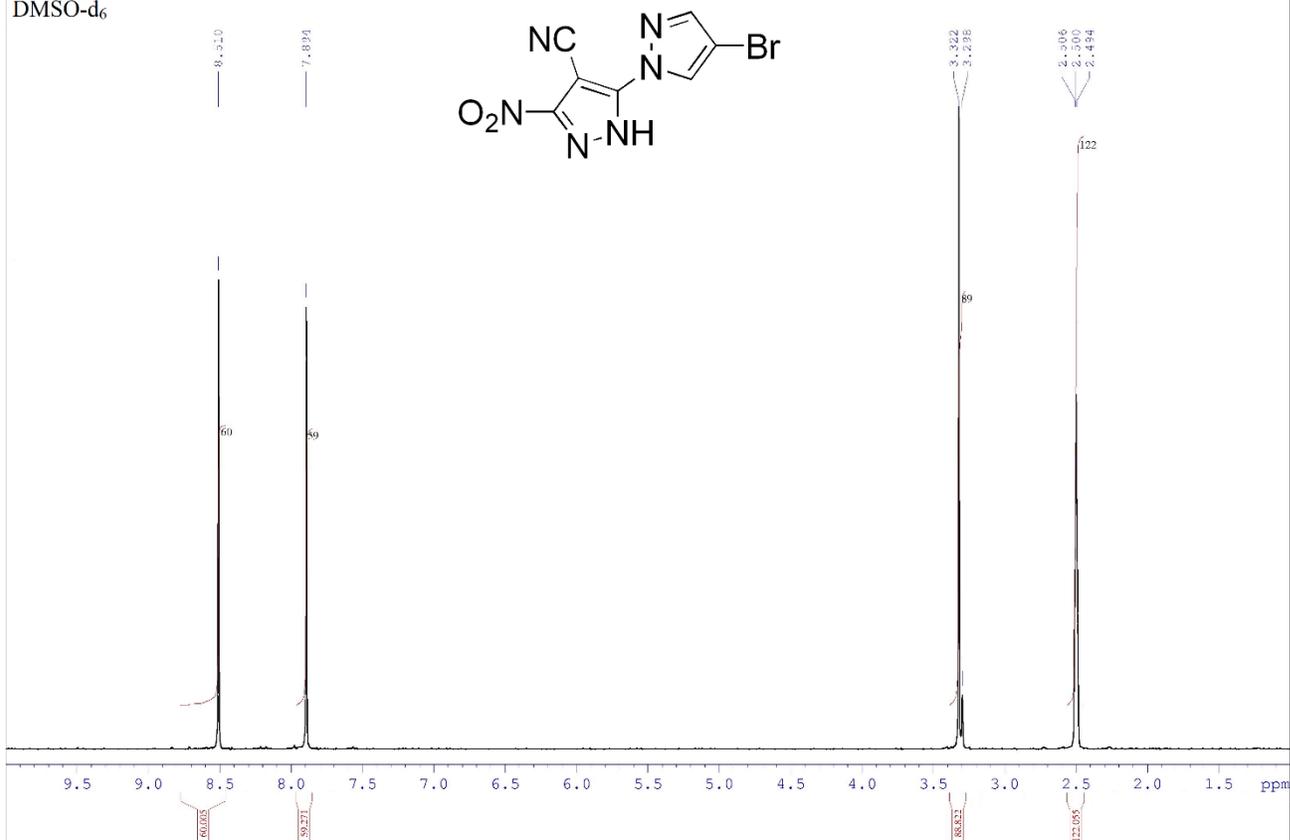
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DMSO-d₆



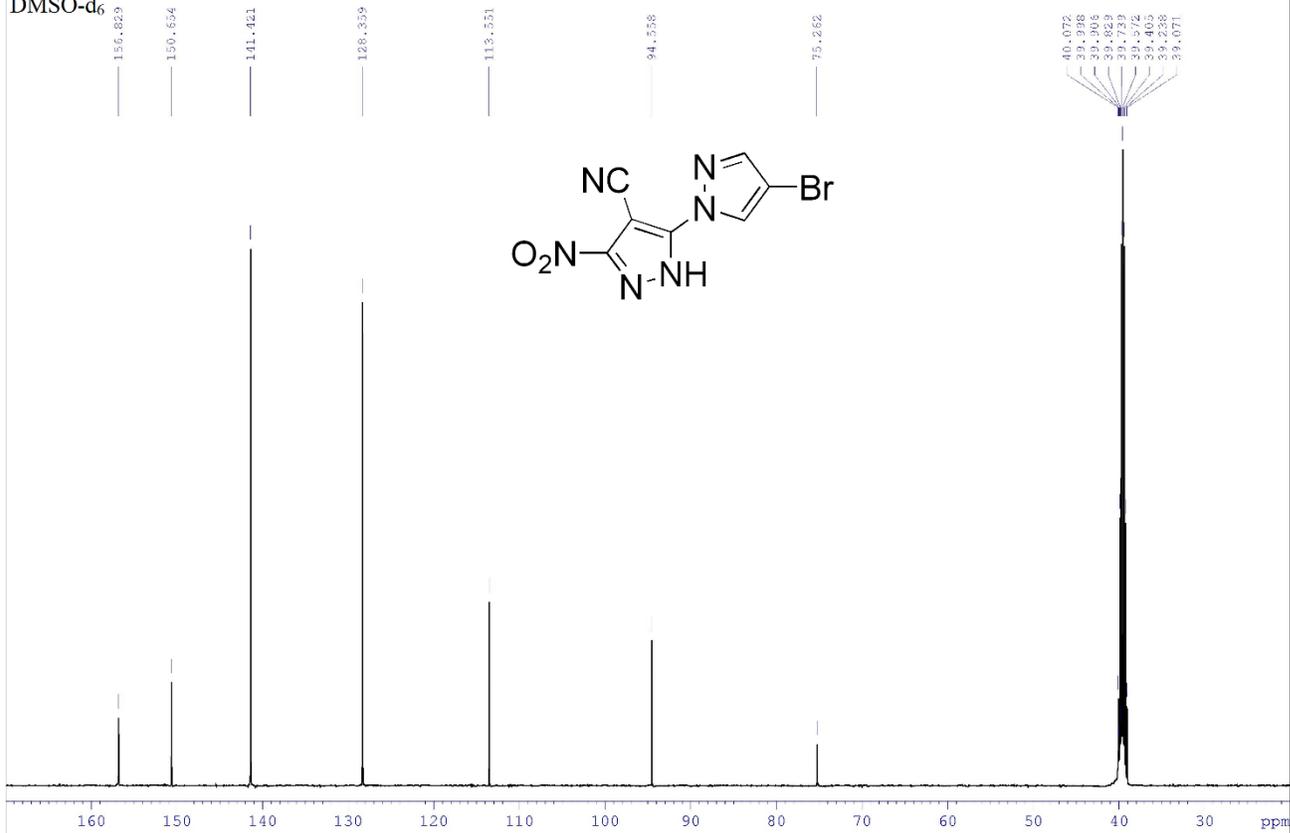
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DMSO-d₆



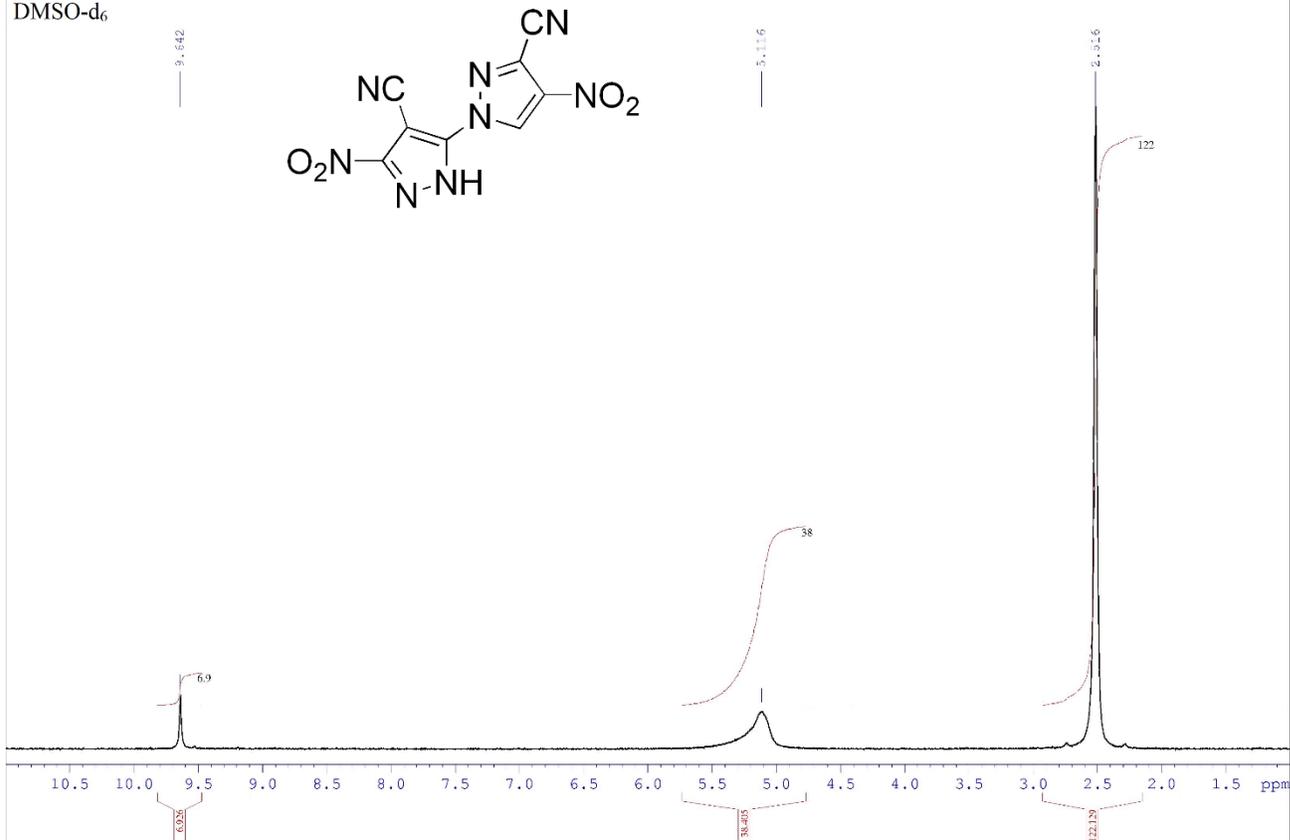
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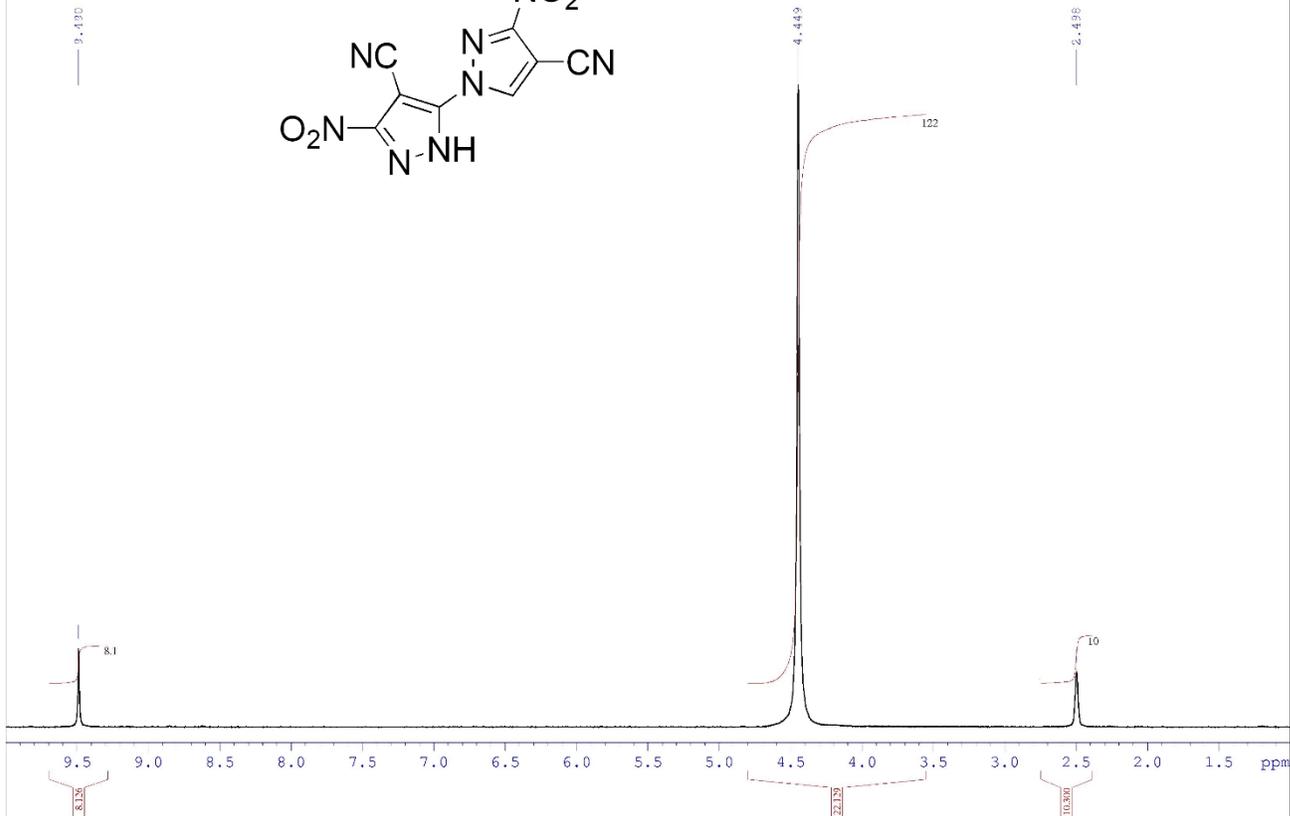
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DMSO-d₆



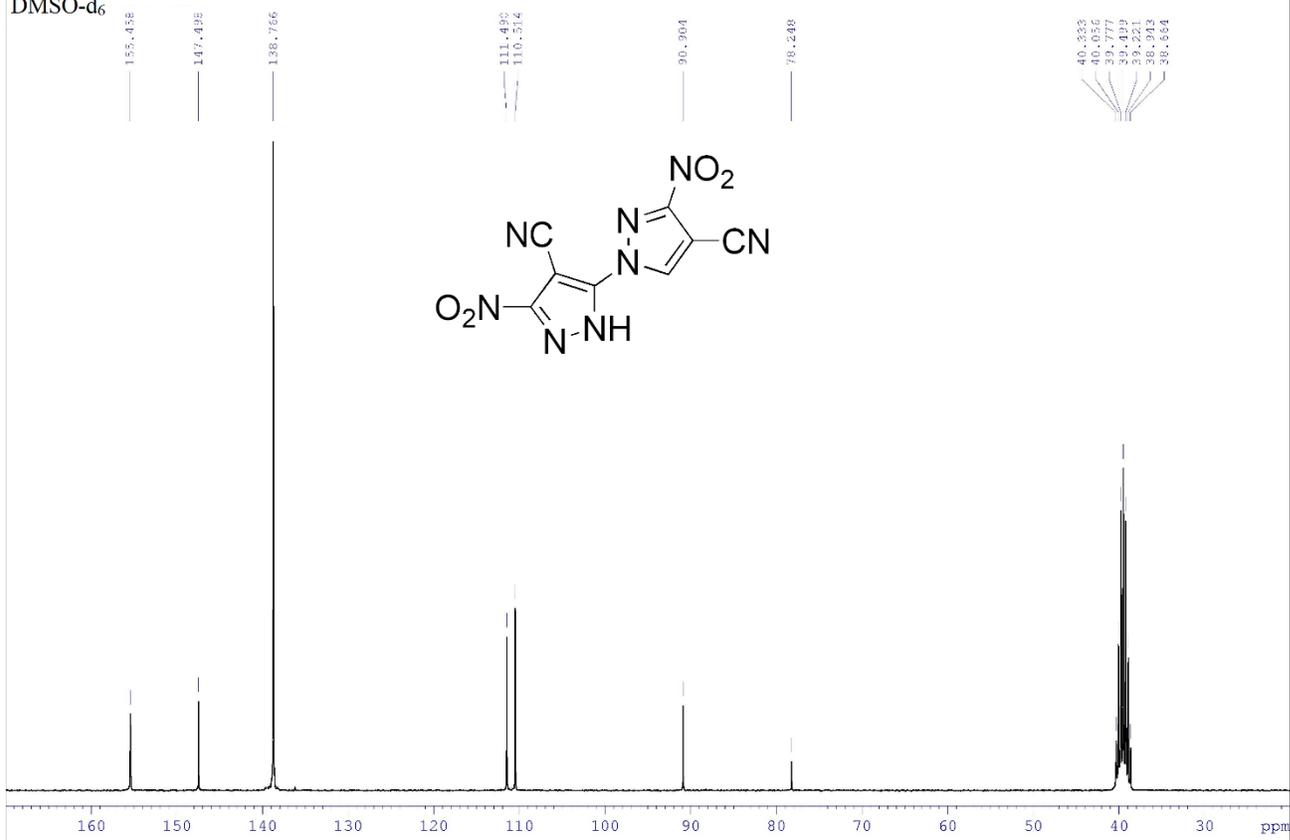
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DMSO-d₆



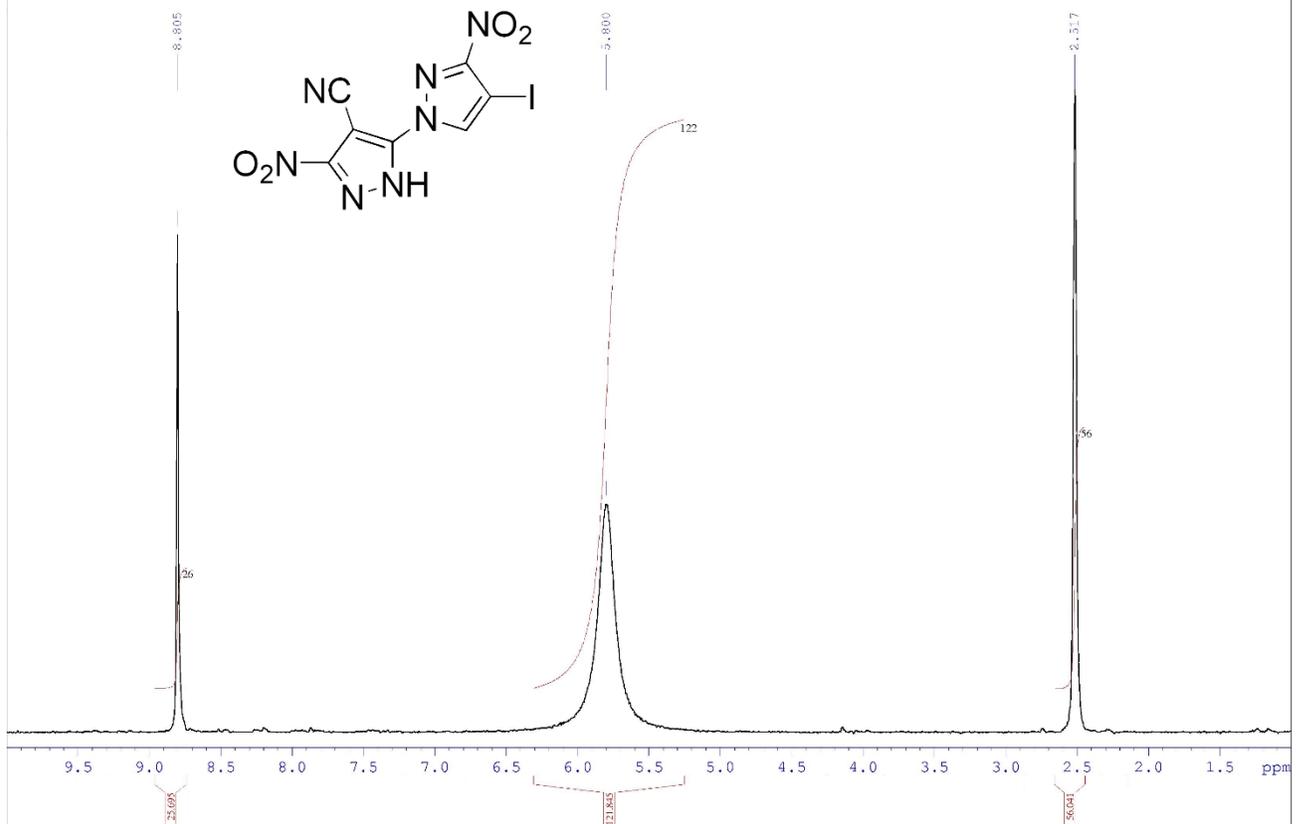
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DMSO-d₆



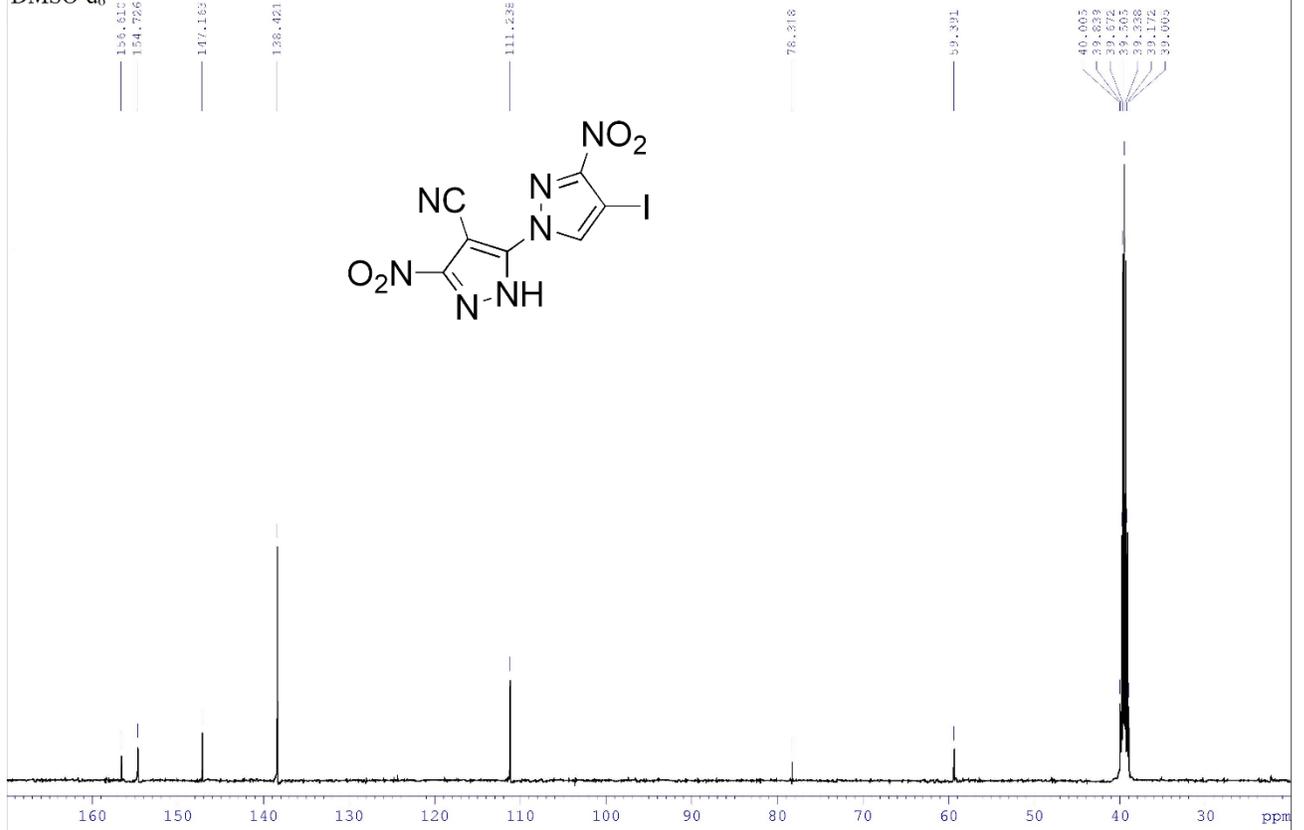
¹³C NMR
DMSO-d₆



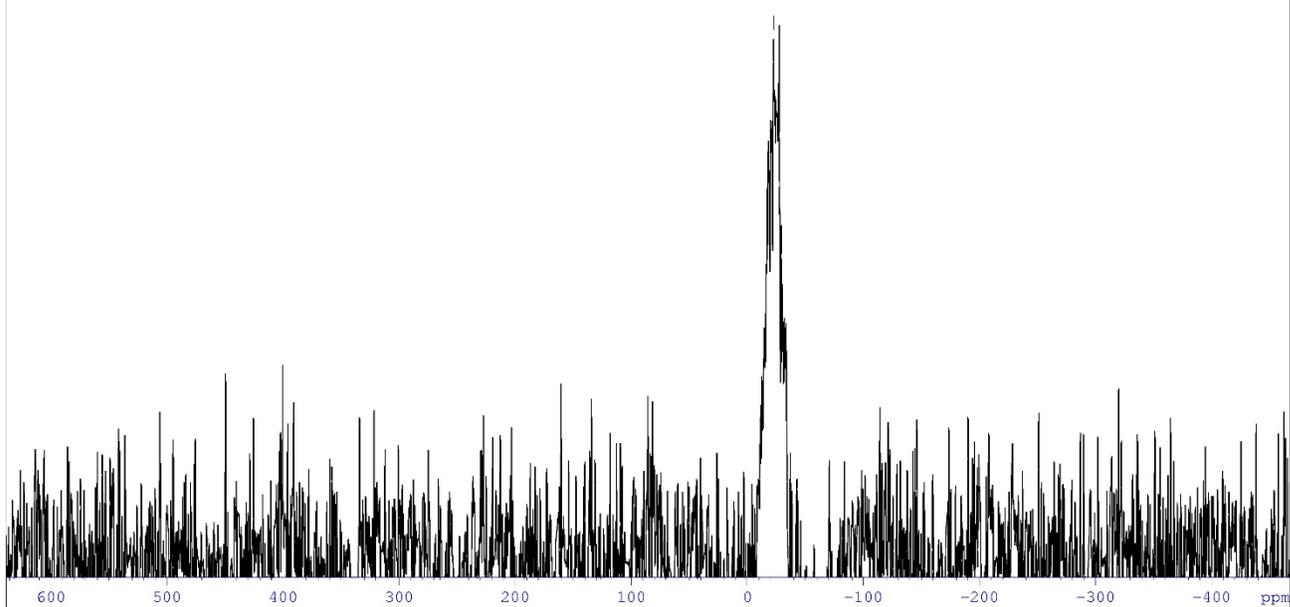
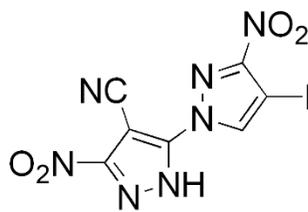
¹H NMR
DMSO-d₆



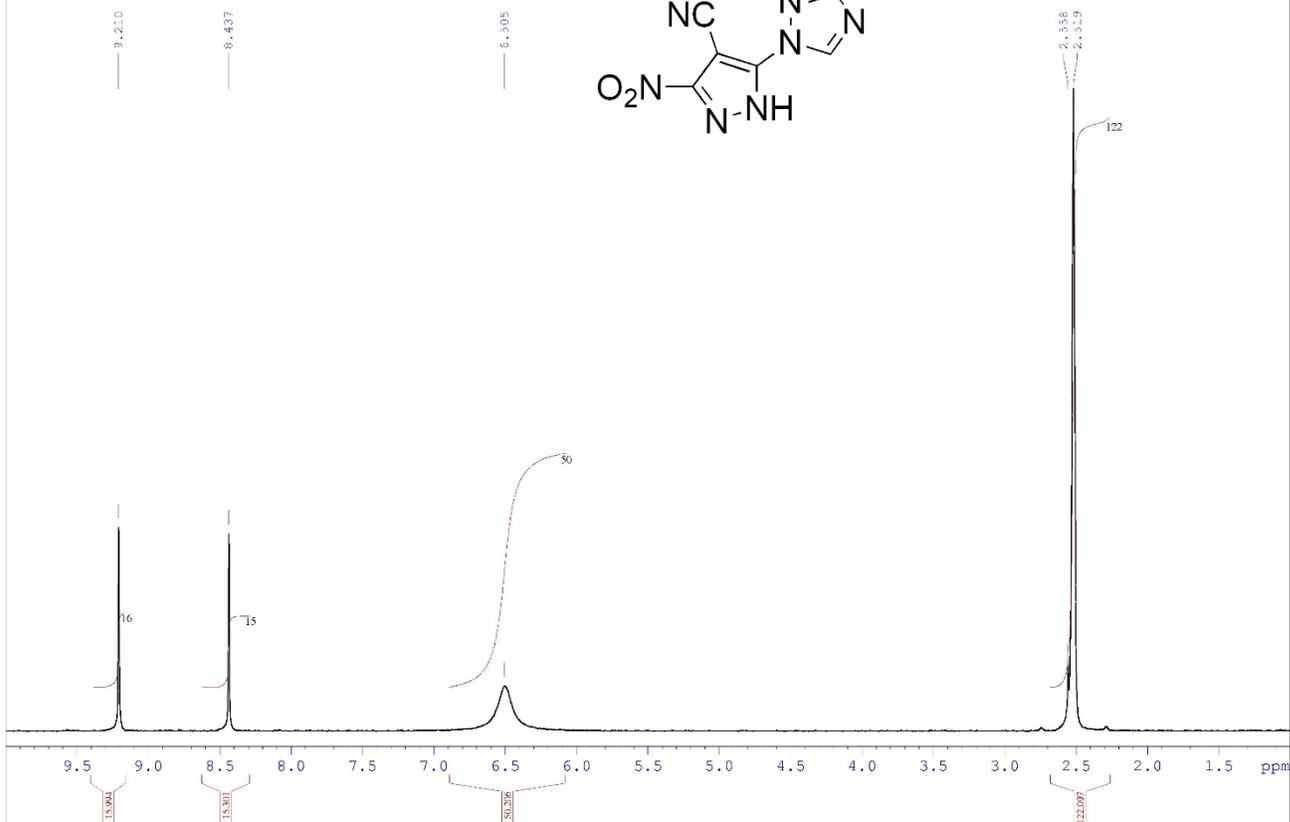
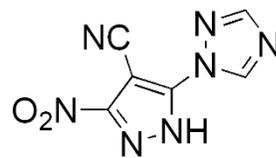
¹³C NMR
DMSO-d₆



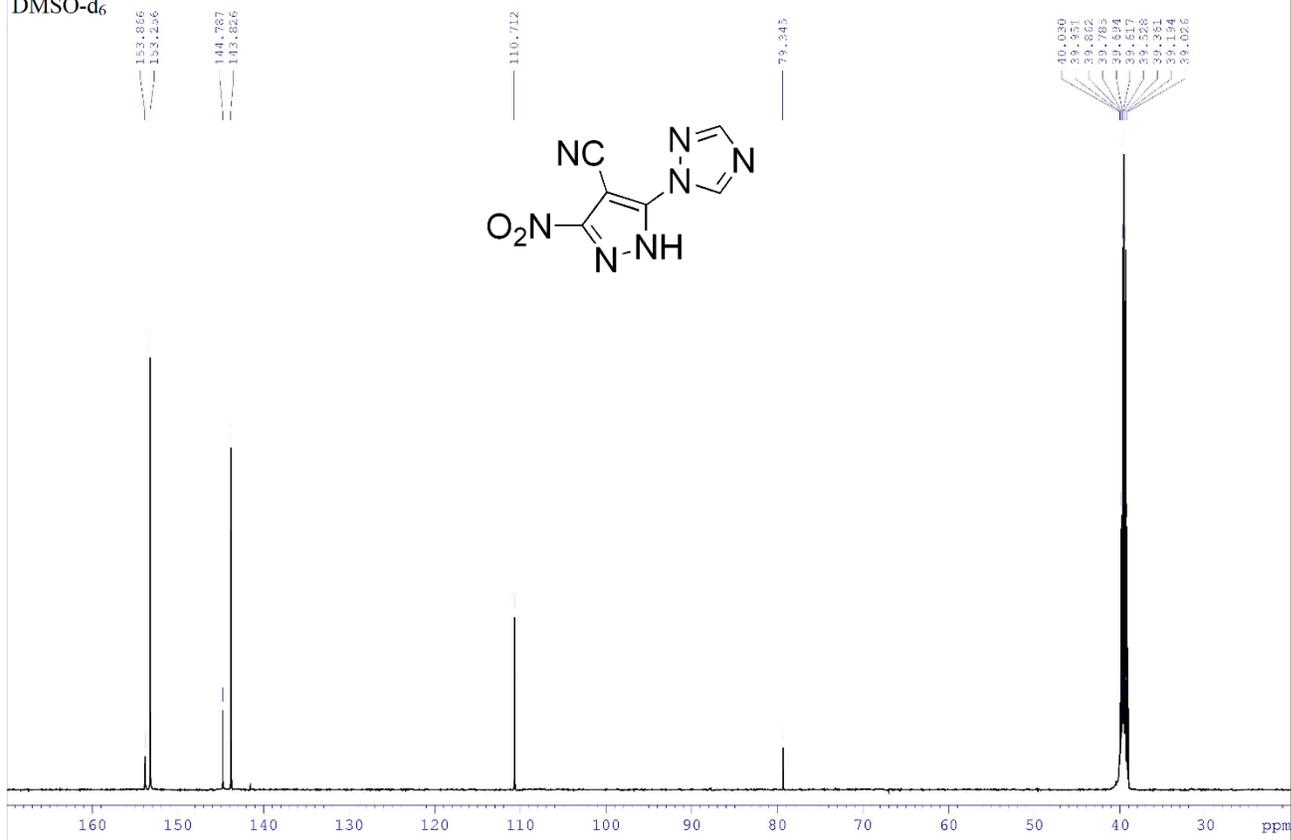
¹⁴N NMR
DMSO-d₆



¹H NMR
DMSO-d₆



¹³C NMR
DMSO-d₆



¹⁴N NMR
DMSO-d₆

