



## PRODUCT IDENTIFICATION

Description
Carboxyl C11 Dimethylphosphonate is an alkyl chemical with a carboxylic acid function and a phosphonic acid dimethyl ester function.

Reference	Designation	CAS Number
SP-3-10-001	Carboxyl C11 Dimethylphosphonate	2500-35-8

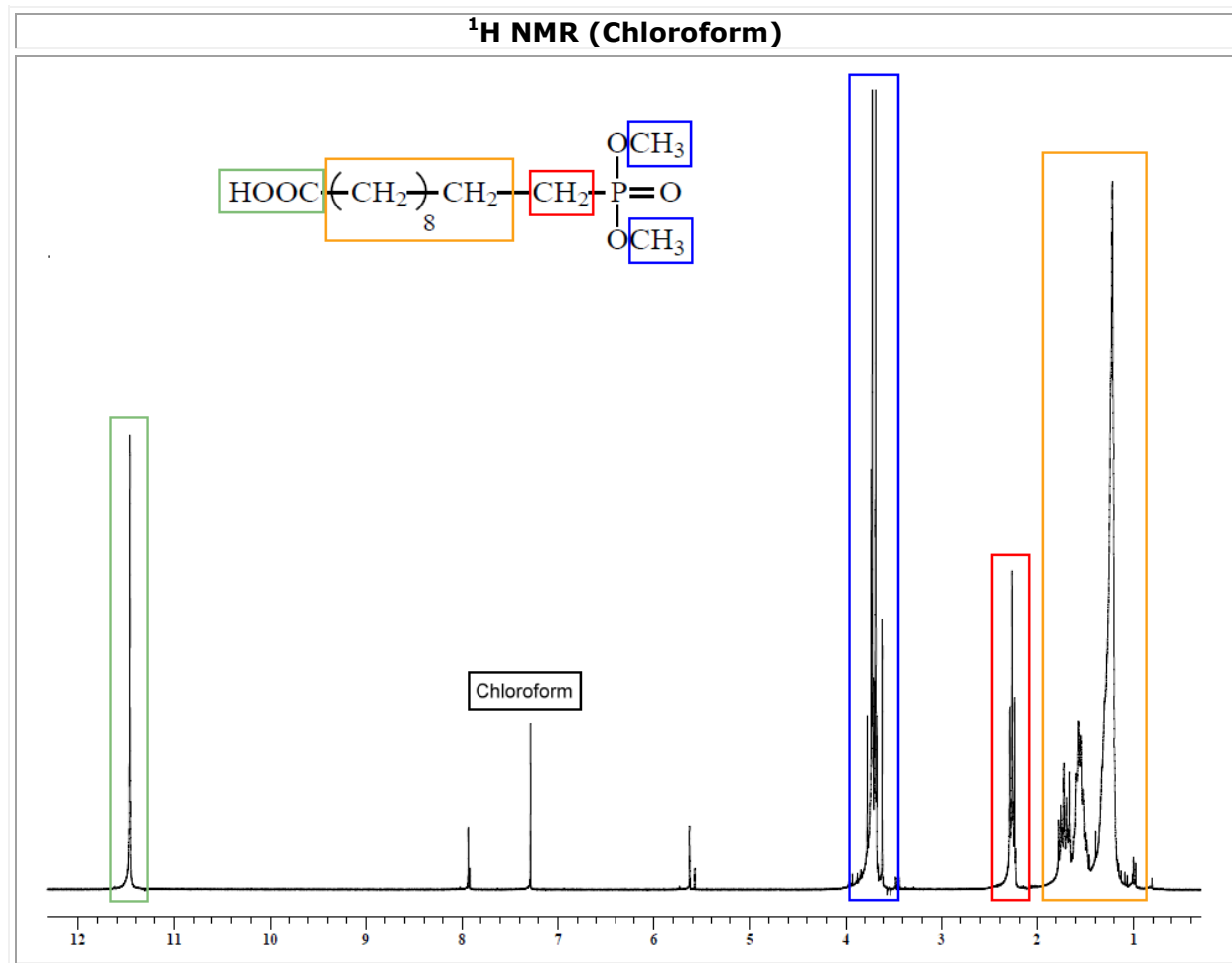
Formula
$\text{HO}_2\text{C}-\text{C}_{10}\text{H}_{20}-\text{PO}(\text{OCH}_3)_2$

## THEORETICAL PHYSICAL / CHEMICAL PROPERTIES

<b>Physical Aspect</b>	Slightly yellow viscous liquid
<b>Molecular Weight (g/mol)</b>	294,32
<b>Composition (wt %)</b>	C 53,1 H 9,2 O 27,2 P 10,5

<b>Boiling Point (°C)</b>	421 (± 18)
<b>Solvents</b>	Chloroform, DMSO
<b>pKa</b>	4,78

## NMR SPECTRA





### <sup>31</sup>P NMR (Chloroform)

