



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

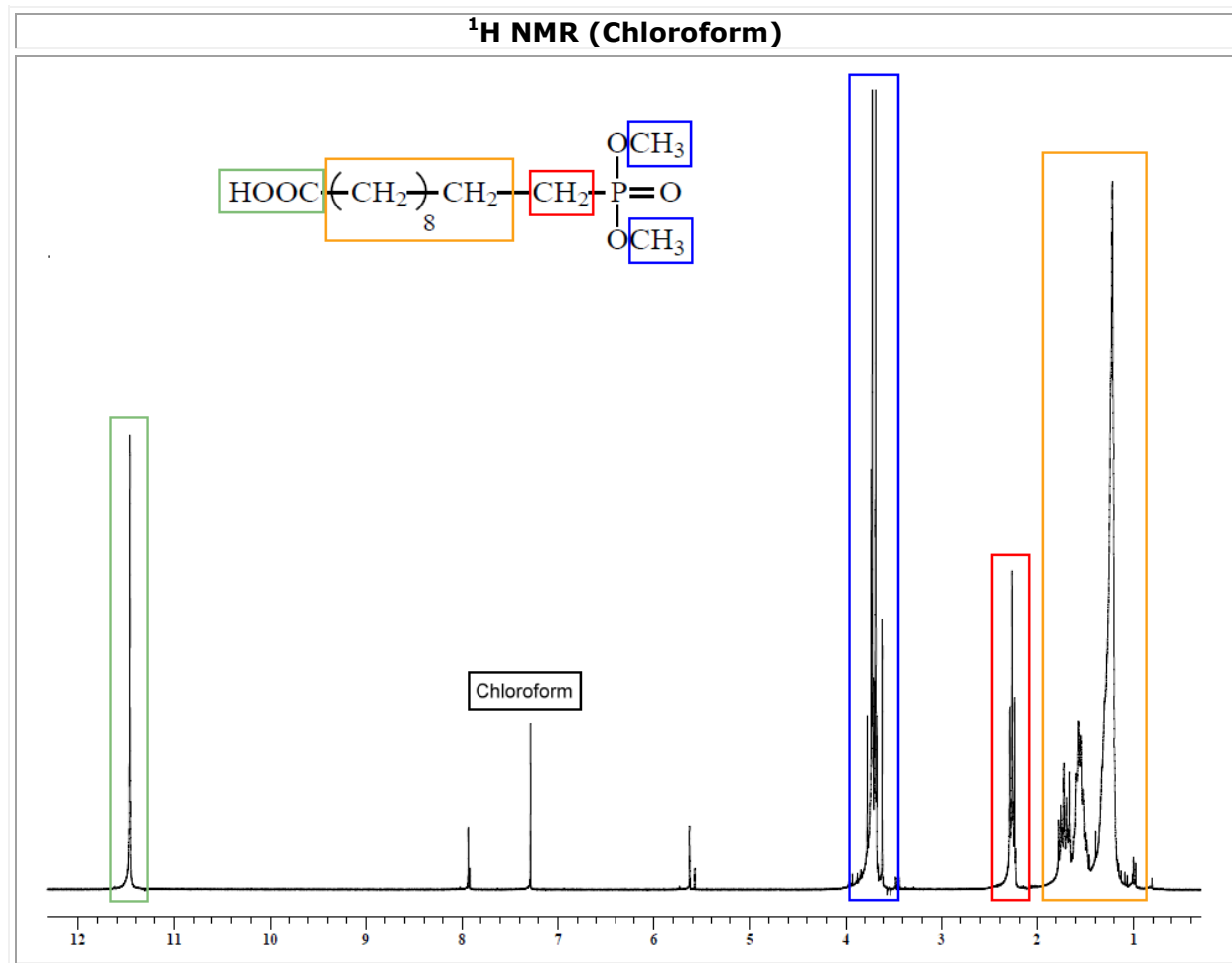
THEORETICAL PHYSICAL / CHEMICAL PROPERTIES

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

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



NMR SPECTRA





³¹P NMR (Chloroform)

