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Certificate of Analysis

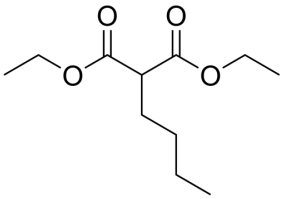
Diethyl butylmalonate

Cat. No.:	HY-44178
CAS No.:	133-08-4
Batch No.:	357756
Chemical Name:	Propanedioic acid, 2-butyl-, 1,3-diethyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{11}H_{20}O_4$		
Molecular Weight:	**216.27**		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	Colorless to light yellow (Liquid)
^{1}H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (HPLC):	**99.79%**
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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