

UNSATURATED DICARBOXYLIC ESTERS①

Identity	Product	Structure	ENCS NO.	Properties		
				Appearance	Boiling point °C	Melting point °C
DMM	Dimethyl maleate	$\begin{array}{c} \text{CHCOOCH}_3 \\ \parallel \\ \text{CHCOOCH}_3 \end{array}$	2-1107	Clear liquid	205(760)	
DEM	Diethyl maleate	$\begin{array}{c} \text{CHCOOC}_2\text{H}_5 \\ \parallel \\ \text{CHCOOC}_2\text{H}_5 \end{array}$	2-1107	Clear liquid	225(760)	
DIPM	Diisopropyl maleate	$\begin{array}{c} \text{CHCOOCH}(\text{CH}_3)_2 \\ \parallel \\ \text{CHCOOCH}(\text{CH}_3)_2 \end{array}$	2-1107	Clear liquid	146(59)	
DBM	Dibutyl maleate	$\begin{array}{c} \text{CHCOOC}_4\text{H}_9 \\ \parallel \\ \text{CHCOOC}_4\text{H}_9 \end{array}$	2-1107	Clear liquid	281(760)	
DOM	Di(2-ethylhexyl) maleate	$\begin{array}{c} \text{CHCOOC}_8\text{H}_{17} \\ \parallel \\ \text{CHCOOC}_8\text{H}_{17} \end{array}$	2-1107	Clear liquid	158(2)	
MMM	Monomethyl maleate	$\begin{array}{c} \text{CHCOOH} \\ \parallel \\ \text{CHCOOCH}_3 \end{array}$	2-1105	Clear liquid		
MBM	Monobutyl maleate	$\begin{array}{c} \text{CHCOOH} \\ \parallel \\ \text{CHCOOC}_4\text{H}_9 \end{array}$	2-1105	Clear liquid		
DEF	Diethyl fumarate	$\begin{array}{c} \text{CHCOOC}_2\text{H}_5 \\ \parallel \\ \text{H}_5\text{C}_2\text{OOCCH} \end{array}$	2-1099	Clear liquid	218.5(760)	
DIPF	Diisopropyl fumarate	$\begin{array}{c} \text{CHCOOH}(\text{CH}_3)_2 \\ \parallel \\ (\text{H}_3\text{C})_2\text{HCOOCCH} \end{array}$	2-1099	Clear liquid	153(80)	
DBF	Dibutyl fumarate	$\begin{array}{c} \text{CHCOOC}_4\text{H}_9 \\ \parallel \\ \text{H}_9\text{C}_4\text{OOCCH} \end{array}$	2-1099	Clear liquid	281(760)	