



Biomarker Focus 50: Mixed phthalates, new ECHA candidates

Butyl isobutyl phthalate Pentyl isopentyl phthalate Butyl benzyl phthalate

Certain phthalates are now listed on the CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN FOR AUTHORIZATION by ECHA, the European Chemicals Agency:

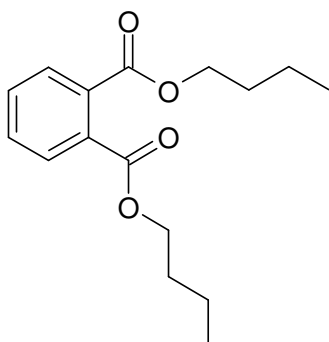
Dibutyl phthalate
Diisobutyl phthalate
Benzyl butyl phthalate
Bis(2-ethylhexyl) phthalate

UNIQUE in-house proprietary technology enables Chiron to offer pure mixed phthalate-esters in sufficient quantities for toxicological and analytical purposes. In contrary to traditional synthesis methods where transesterification is a problem, the new method enables us to synthesize these esters in pure separated isomeric forms.

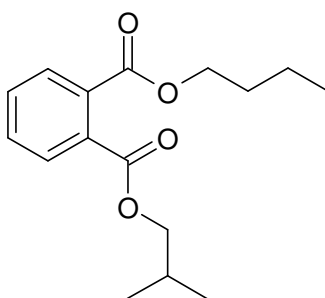


Chiron AS now offers highly purified mixed phthalates meeting requirements of ECHA:

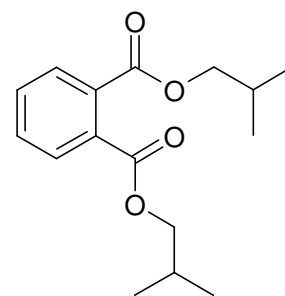
Butyl- / Isobutyl phthalates



1226.16 Di-*n*-butyl phthalate



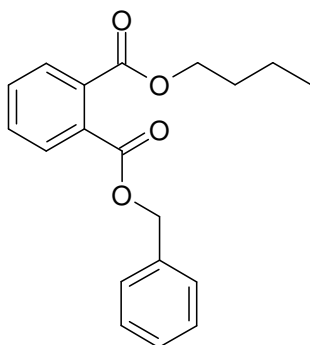
8537.16 *n*-Butyl *iso*-butyl phthalate



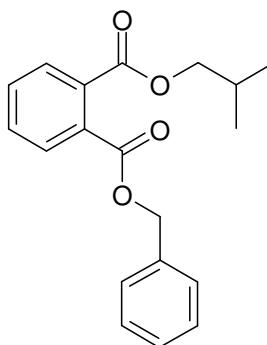
2102.16 Di-*iso*-butyl phthalate

9361.3 Butyl- /Isobutyl phthalate Kit (1226.16 + 8537.16 + 2102.16)

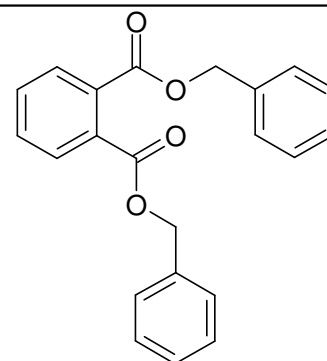
Butyl- / Benzyl phthalates



1227.19 *n*-Butylbenzyl phthalate



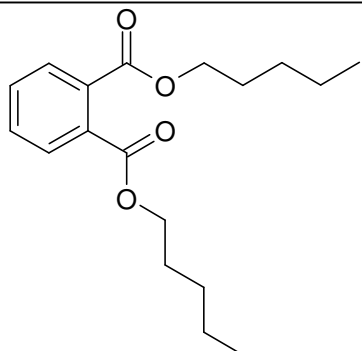
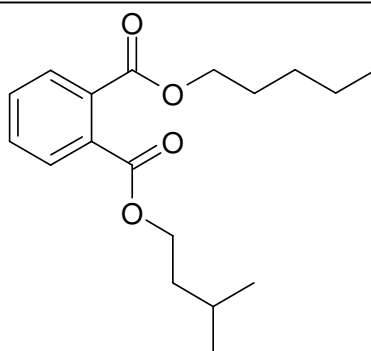
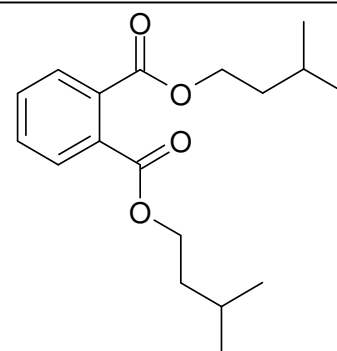
9360.19 *iso*-butyl benzyl phthalate



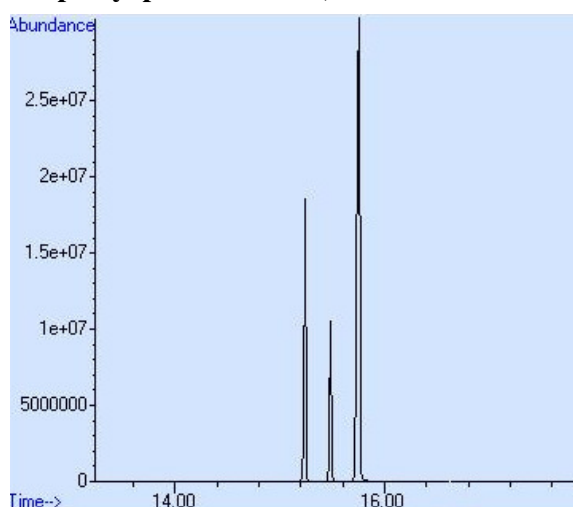
2054.22 Dibenzyl phthalate

9363.3 Butyl- /Benzyl phthalate Kit (1227.19 + 9360.19 + 2054.22)

Pentyl- / Isopentyl phthalates

2099.18 Di-*n*-pentyl phthalate8539.18 *n*-Pentyl *iso*-pentyl phthalate8425.18 Di-*iso*-pentyl phthalate

9362.3 Pentyl- /Isopentyl phthalate Kit (2099.18 + 8539.18 + 8425.18)



GC of 2099.18 , 8539.18 and 8425.18 (Kit 9362.3)

These standards are available from Chiron AS as 100µg/mL and 1000µg/mL in isooctane (1mL). Neat material is available on request.

Mixed phthalates now available:

Prod.no	
9754.17	<i>n</i> -Butyl <i>n</i> -pentyl phthalate
9755.17	<i>Iso</i> -Butyl <i>n</i> -pentyl phthalate
9756.17	<i>n</i> -Butyl <i>iso</i> -pentyl phthalate (<i>n</i> -Butyl 3-methylbutyl phthalate)
9757.20	<i>n</i> -Pentyl benzyl phthalate
9758.20	<i>Iso</i> -pentyl Benzyl phthalate (Benzyl 3-methylbutyl phthalate)
9759.24	2-Ethylhexyl <i>n</i> -octyl phthalate
8733.20	<i>n</i> -Butyl <i>n</i> -octyl phthalate
2103.22	Hexyl 2-ethylhexyl phthalate (isomer mixture)
3125.18	Benzyl <i>n</i> -butyl phthalate-3,4,5,6-d4
9925.18	(3,4,5,6-d4- <i>n</i> -Pentyl) <i>iso</i> -pentyl phthalate
9926.16	(3,4,5,6-d4- <i>n</i> -Butyl) <i>iso</i> -butyl phthalate

