

Some information about SPM 8224**1. The formation of a salt (with SPM 8224) has been tried with the following acids****Organic acids**

aceturic acid	glycine hydrochloride	palmitic acid
acetylsalicylic acid	hippuric acid	phlorctinic acid
L-alanine	4-hydroxybenzoic acid	phthalic acid
L-(+)-ascorbic acid	4-hydroxycinnamic acid	propionic acid
L-aspartic acid	isobutyric acid	pyruvic acid
benzoic acid	maleic acid	salicylic acid
citric acid	L-(-)-malic acid	sorbic acid
β-cyclodextrin	D,L-malic acid	stearic acid
fumaric acid	(+)-mandelic acid	succinic acid
gallic acid	methanesulfonic acid	sulphanilic acid
gluconic acid	orotic acid	(+)-tartaric acid
D-glucuronic acid	oxalic acid	vanillic acid

Inorganic acids

hydrobromic acid (48%)
hydrochloric acid (in diethyl ether)
hydrogen sulfate (96%)
nitric acid (65 %)

Metal complex

magnesium sulfate
zinc chloride

2. Solubility of SPM 8224

Soluble in acetone, 2-butanone, diethyl ether, methylene chloride, chloroform, tetrahydrofuran
Insoluble in water

Some information about SPM 8272**1. Solubility of SPM 8272**

Soluble in acetone, acetonitrile, 2-butanone, chloroform, water

2. Different solvent-systems for the crystallization of SPM 8272

- a) solved in 2-butanone
and mixed with butyl acetate, cyclohexane, diethyl ether, ethyl acetate, heptane, isobutyl acetate, isopropyl acetate, methyl tert.-butyl ether, propyl acetate or toluene
- b) solved in acetone
and mixed with butyl acetate, cyclohexane, diethyl ether, ethyl acetate, isobutyl acetate, isopropyl acetate, methyl tert.-butyl ether or propyl acetate
- c) solved in acetonitrile
and mixed with butyl acetate, diethyl ether, ethyl acetate or propyl acetate

no crystallization after

- a) solving in acetonitrile
and mixing with benzene, isobutyl acetate, isopropyl acetate, methyl tert.-butyl ether or toluene
- b) solving in acetone
and mixing with benzene or toluene

3. Residual solvents after the crystallization and drying of SPM 8272

solved in	mixed with	Residual solvents	
2-butanone	cyclohexane	0.34 % 2-butanone	0.10 % cyclohexane
acetone	ethyl acetate	0.32 % acetone	0.27 % ethyl acetate
acetone	butyl acetate	0.36 % acetone	0.17 % butyl acetate
acetone	isopropyl acetate	0.37 % acetone	0.18 % isopropyl acetate
acetone	propyl acetate	0.36 % acetone	0.22 % propyl acetate

List of desired salts of SPM 8224 with the following organic and inorganic acids

acetic acid
citric acid
maleic acid
(+)-tartaric acid

hydrogen sulphate
ortho phosphoric acid

DATE

Information about
SPM 8224 & SPM 8272

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