

Preparation/task:

A



Synthesis of acetylsalicylic acid, $C_9H_8O_4$

Used substances and products	MW [g/mol]	BP MP	FP	Hazard-symbols	R/S phrases	TLV, LD50 WGK	Amount used for batch
Acetic acid 100% $C_2H_4O_2$	60.00	118 °C 16,2 °C	40 °C	C	R 10-35 S 23-26-45	10.00 ppm WGK 1	15.0 mL 250.0 mmol
Acetic anhydride $C_4H_6O_3$	102.00	140 °C -73 °C	49 °C		5.00 mg/m ³ WGK 1	17.5 mL 185.6 mmol	

Preparation/task:

B

Synthesis of acetylsalicylic acid, $C_9H_8O_4$

Used substances and products	MW [g/mol]	BP MP	GHS hazard pictograms	H/P phrases	TLV, LD50 WGK	Amount used for batch	Be ¹⁰ points
Acetic acid 100% $C_2H_4O_2$	60.00	118 °C 16,2 °C	Danger 	H 226-314 P 280-305+351+338-310	10.00 ppm WGK 1	15.0 mL 250.0 mmol	2807
Acetic anhydride $C_4H_6O_3$	102.00	140 °C -73 °C	Danger 	H 226-302-314-332 P 280-305+351+338-310	5.00 mg/m ³ WGK 1	17.5 mL 185.6 mmol	13661