

Product	Step	Input (mmol)	Output (mmol)	Yield (%)	Loss (mmol)	Recovery (mmol)
Acetic Acid	1	100	95	95%	5	95%
	2	95	90	95%	5	90%
Ethanol	1	200	190	95%	10	95%
	2	190	180	95%	10	90%
Benzene	1	150	145	97%	5	97%
	2	145	140	97%	5	94%
Toluene	1	180	175	97%	5	97%
	2	175	170	97%	5	94%
Methanol	1	120	115	96%	5	96%
	2	115	110	96%	5	93%
Water	1	300	290	97%	10	97%
	2	290	280	97%	10	93%
Acetone	1	160	155	97%	5	97%
	2	155	150	97%	5	94%
Dichloromethane	1	250	245	98%	5	98%
	2	245	240	98%	5	95%
Hexane	1	220	215	98%	5	98%
	2	215	210	98%	5	95%
Diethyl Ether	1	190	185	97%	5	97%
	2	185	180	97%	5	94%
Nitrobenzene	1	140	135	97%	5	97%
	2	135	130	97%	5	94%
Phenol	1	110	105	95%	5	95%
	2	105	100	95%	5	92%
Aniline	1	130	125	96%	5	96%
	2	125	120	96%	5	93%
Benzonitrile	1	170	165	97%	5	97%
	2	165	160	97%	5	94%
Acetophenone	1	150	145	97%	5	97%
	2	145	140	97%	5	94%
Benzophenone	1	180	175	97%	5	97%
	2	175	170	97%	5	94%
Benzaldehyde	1	160	155	97%	5	97%
	2	155	150	97%	5	94%
Benzoin	1	140	135	97%	5	97%
	2	135	130	97%	5	94%
Benzoin Oxime	1	170	165	97%	5	97%
	2	165	160	97%	5	94%
Benzoin Phenylhydrazone	1	190	185	97%	5	97%
	2	185	180	97%	5	94%
Benzoin Phenylhydrazone Oxime	1	210	205	97%	5	97%
	2	205	200	97%	5	94%
Benzoin Phenylhydrazone Oxime Hydrochloride	1	230	225	97%	5	97%
	2	225	220	97%	5	94%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt	1	250	245	98%	5	98%
	2	245	240	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate)	1	270	265	98%	5	98%
	2	265	260	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate)	1	290	285	98%	5	98%
	2	285	280	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate)	1	310	305	98%	5	98%
	2	305	300	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate) (Trihydrate)	1	330	325	98%	5	98%
	2	325	320	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate) (Trihydrate) (Tetrahydrate)	1	350	345	98%	5	98%
	2	345	340	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate) (Trihydrate) (Tetrahydrate) (Pentahydrate)	1	370	365	98%	5	98%
	2	365	360	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate) (Trihydrate) (Tetrahydrate) (Pentahydrate) (Hexahydrate)	1	390	385	98%	5	98%
	2	385	380	98%	5	95%
Benzoin Phenylhydrazone Oxime Hydrochloride Salt (Hydrate) (Monohydrate) (Dihydrate) (Trihydrate) (Tetrahydrate) (Pentahydrate) (Hexahydrate) (Heptahydrate)	1	410	405	98%	5	98%
	2	405	400	98%	5	95%