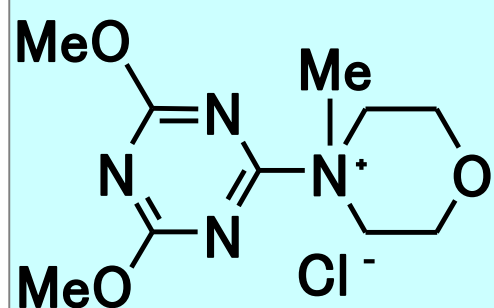


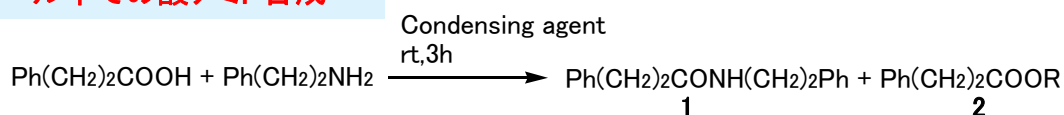
トリアジン基盤脱水縮合剤

DMT-MM・nH₂O



Code	A00711
Short Name 1	DMT-MM・nH ₂ O
Full Name	4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methylmorpholinium chloride
CAS RN®	2170798-10-2
MDL No.	MFCD03093287
Mw	276.72
Price	5g ¥7,000 25g ¥18,000 100g ¥40,000

アルコール中での酸アミド合成

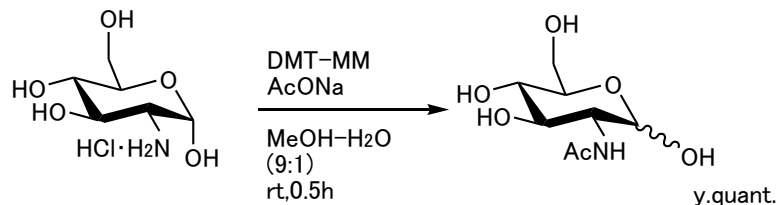
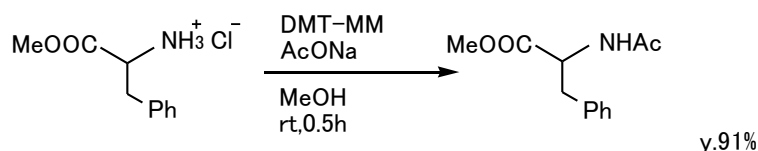
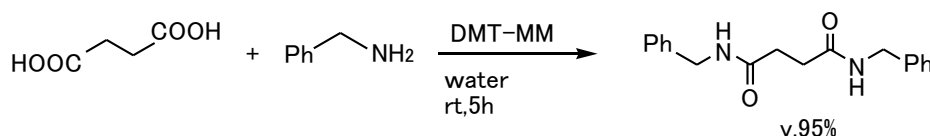


Run	Condensing agent	Solvent	Amide(1) ^a (%)	Ester(2) ^a (%)	Amide / Ester
1	DMT-MM	MeOH	98	1.0(R=Me)	98
2	DMT-MM	EtOH	99	0.7(R=Et)	141
3	DMT-MM	<i>i</i> -PrOH	96	0.7(R= <i>i</i> -Pr)	137
4	DCC	MeOH	27 ^b	7.0(R=Me)	4
5	EDC ^a	MeOH	53	16.0(R=Me)	3.3

a: Isolated yield

b: N-Acylurea was isolated in 21%

プロトン性溶媒中での脱水縮合反応



参考文献

薬学雑誌 128(3),425-438(2008).

M. Kunishima, C. Kawachi, K. Hioki, K. Terao, S. Tani
Tetrahedron, **57**, 1551-1558(2001).M. Kunishima, C. Kawachi, J. Morita, K. Hioki, K. Terao, F. Iwasaki, S. Tani
Tetrahedron, **55**, 13159-13170(1999).M. Kunishima, C. Kawachi, F. Iwasaki, K. Terao, S. Tani
Tetrahedron Lett., **40**, 5327-5330(1999).