

Hydroxypropyl Methylcellulose (HPMC) Capsule Reagents for Condensation Reactions

Advantages



- HPMC capsule reagents contain consistent, specific amounts of condensing agents, allowing condensation reactions to be conducted rapidly without weighing.
- HPMC capsule dissolves in various reaction solutions, including water, DMSO, DMF, NMP, DMAc, THF/water and dioxane/water, making it simple to carry out reactions.
- Dissolved HPMC can be removed easily after reaction.

Reagents for Condensation Reactions (EDCI·HCl, HOBt·H₂O) (HPMC encapsulated)

10each [R0274]

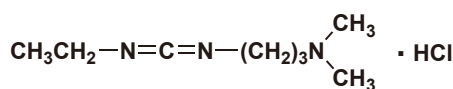
New Reagents for Condensation Reactions (DMT-MM) (HPMC encapsulated) 10each [R0294]

New Reagents for Condensation Reactions (HATU) (HPMC encapsulated) 10each [R0295]

New Reagents for Condensation Reactions (1*H*-Benzotriazol-1-yloxytripyrrolidinophosphonium Hexafluorophosphate) (HPMC encapsulated) 10each [R0296]

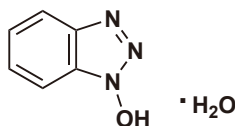
New Reagents for Condensation Reactions (HOTU) (HPMC encapsulated) 10each [R0297]

Contents in capsules for each product

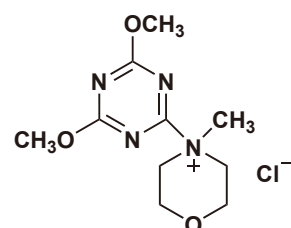


EDCI·HCl
ca. 0.25 mmol

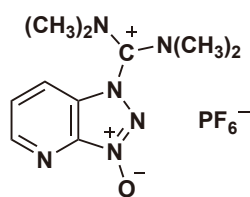
[R0274]



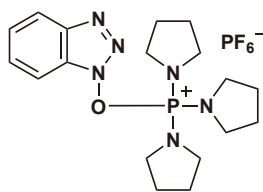
HOBt·H₂O
ca. 0.25 mmol



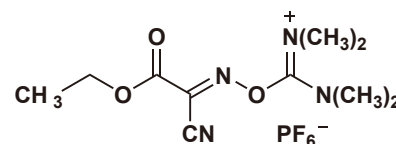
DMT-MM
ca. 0.30 mmol
[R0294]



HATU
ca. 0.45 mmol
[R0295]



1*H*-Benzotriazol-1-yloxy-tripyrrolidinophosphonium Hexafluorophosphate
ca. 0.25 mmol
[R0296]

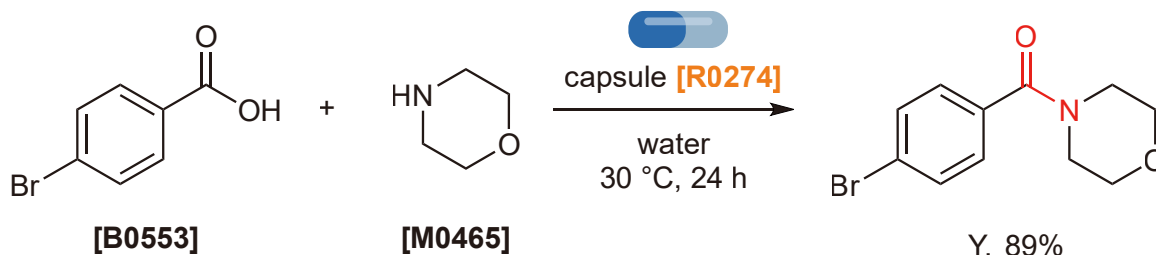


HOTU
ca. 0.25 mmol
[R0297]

Hydroxypropyl Methylcellulose (HPMC) Capsule Reagents for Condensation Reactions

Application

Condensation Reaction with R0274



See the "Applications" tab on TCI website page for more information. <https://bit.ly/4eN1jfU>

The instantaneous formation of the reactive site in the hydrophobic pockets of benign HPMC allows chemical reactions to proceed very rapidly in water under mild reaction conditions.¹⁾ Our HPMC capsule reagents can accelerate your experiments and library construction in both experimental operations and reactions.

Reference 1) N. Borlinghaus, B. Schönfeld, S. Heitz, J. Klee, S. Vukelić, W. M. Braje, A. Jolit, *J. Org. Chem.* **2021**, *86*, 1357. <https://doi.org/10.1021/acs.joc.0c02576>

Related Products

Reagents for Metallophotoredox Cross-Coupling Reactions [NiBr₂(dme), [Ir(dF(CF₃)ppy)₂(dtbbpy)]PF₆, DABCO] (HPMC encapsulated) 10each [R0273]

Reagents for Suzuki-Miyaura Cross-Coupling Reactions [Pd(dppf)Cl₂·CH₂Cl₂, Cs₂CO₃] (HPMC encapsulated) 10each [R0275]

Bis(1,5-cyclooctadiene)nickel(0) (Wax encapsulated) (ca. 0.05mmol/capsule) 5each [B5417]

We also offer custom manufacturing services.

We can provide reagents and synthetic intermediates for your specific filled capsules.



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Building blocks



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Encapsulated

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