

Thesis Title	Synthesis of 3,4-Dihydropyrimidine-2(1 <i>H</i>)-ones Using Cesium Fluoride-Celite as Catalyst
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ABSTRACT

An effective inexpensive and environmentally friendly method was developed for synthesis of 3,4-dihydropyrimidine-2(1*H*)-ones/thiones by one-pot three-component cyclocondensation reaction of aromatic aldehyde, ethyl acetoacetate and urea (thiourea) using CsF-Celite as catalyst. Compared with the classical Biginelli reaction condition this method has the advantages of excellent yield and shorter reaction time. A recycling of catalyst was also studied. It was found that the reaction gave the same result when recycled catalyst was used.

