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Purification of clavulanic acid produced by *Streptomyces clavuligerus* via submerged fermentation using polyethylene glycol/cholinium chloride aqueous two-phase systems

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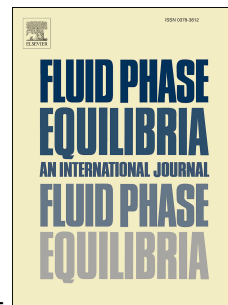
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**Purification of clavulanic acid produced by *Streptomyces clavuligerus*  
via submerged fermentation using polyethylene glycol/cholinium  
chloride aqueous two-phase systems**

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