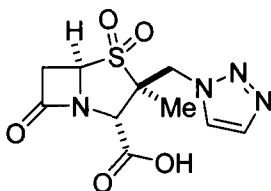


Tazobactam is a β -lactamase inhibitor that is used with piperacillin to enhance the anti-bacterial effect of piperacillin.



tazobactam (Zosyn)

In 1984, Micetich and co-workers reported on a method to synthesize tazobactam that involved the 1,3-dipolar addition of an azido penicillin acid derivative with TMS-acetylene.³⁴ The 1,3-dipolar addition is followed by deprotection of trimethylsilyl and benzyl group.³⁵

