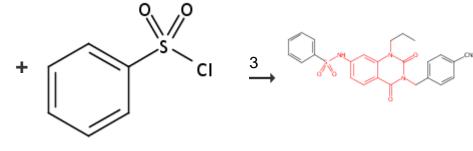


Step	Stages	Notes	Yield
1	<ol> <li>1.1 R:K<sub>2</sub>CO<sub>3</sub>, S:DMSO, 15 min, rt</li> <li>1.2 60 min, rt</li> </ol>	Reactants: 2, Reagents: 1, Solvents: 1, Steps: 1, Stages: 2	86%
$\xrightarrow{2}$			

Step	Stag	es	Notes	Yield
2	2.1	R:H <sub>2</sub> , C:Ni, S:MeOH, S:CH <sub>2</sub> Cl <sub>2</sub> , 7 h, rt	Raney-nickel used as catalyst, Reactants: 1, Reagents: 1, Catalysts: 1, Solvents: 2, Steps: 1, Stages: 1	40%



[Reactant]

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Step	Stag	jes	Notes	Yield
3	3.1	$R:C_5H_5N$ , C:4-DMAP, 30 min, heated	pyridine also acts as solvent, Reactants: 2, Reagents: 1, Catalysts: 1, Steps: 1, Stages: 1	89%
Court				

Source Source Bicyclic heterocyclic compounds for use as thrombin inhibitors Ries, Uwe; Hauel, Norbert; Priepke, Henning; Nar, Herbert; Stassen, Jean Marie; Wienen, Wolfgang Assignee Boehringer Ingelheim Pharma K.-G., Germany 1999

**Patent Information** Oct 21, 1999 DE 19816983 A1

## Number of Steps

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