

182

mono acetylation of 5-HT

→ 2.12 g serotonin.HCl

1.58

1.58 ~~g~~

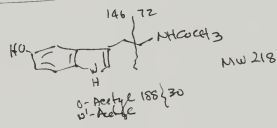
→ 1.62 ml pyridine - stirrer stops as it goes to a rather solid cake.

→ 1.04 ml Ac2O added evenly, dropwise, over the surface of the cake. It loosens up to almost a clear solution - and as it stirs more, this begins to thicken. Time ~ 20 min. Add

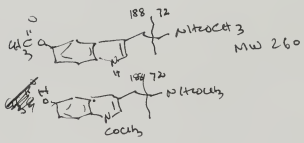
40 ml H₂O - homogeneous soln. extract 2x 40 ml CH₂Cl₂ flash → 1.7 g thick oil - smells of pyridine - back into ether, - wash w/ 1.5 N HCl - flash → 0.9 g white oil almost no smell

Serotonin 176

N-monoacetyl



N₂O-diacetyl



triacetyl

230, 72 MW 302

take all 0.9 g. A in rotary (50°) + a few mL conc H₂SO₄ - add water - stir - CH₂Cl₂ → 0.3 g film.