dimethylformamide, propionitrile, benzonitrile, acetonitrile, xylenes, toluene, water, and mixtures thereof.

[0108] 45d. A process according to any of the previous details 35d through 44d wherein said process is conducted at temperatures from about 40 °C to about 150 °C.

[0109] 46d. A process according to any of the previous details 35d through 44d wherein said process is conducted at temperatures from about 60 °C to about 120 °C.

[0110] 47d. A process according to any of the previous details 35d through 46d wherein said process is conducted at ambient pressure.

[0111] 48d. A process according to any of the previous details 35d through 47d wherein the product of said process is isolated.

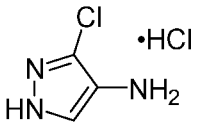
[0112] 49d. A process according to any of the previous details 35d through 47d wherein said process is conducted under continuous flow conditions.

[0113] 50d. A process comprising the steps of :

(A) preparing the molecule according to 1d

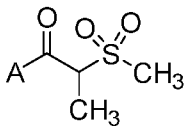
by reacting

(i) 3-chloro-1*H*-pyrazol-4-amine hydrochloride (**S2a**)



S2a ; and

(ii) an activated carboxylic acid **S1b**



S1b

wherein said A of said activated carboxylic acid **S1b** is selected from the group consisting of Cl, $O(C=O)R_1$, $O(C=O)OR_1$, and OR_1, wherein $(C_1$-$C_4)$alkyl;

in the presence of a base and a solvent; and

dimethylformamide, propionitrile, benzonitrile, acetonitrile, xylenes, toluene, water, and mixtures thereof.

[0108] 45d. A process according to any of the previous details 35d through 44d wherein said process is conducted at temperatures from about 40 ºC to about 150 ºC.

[0109] 46d. A process according to any of the previous details 35d through 44d wherein said process is conducted at temperatures from about 60 ºC to about 120 ºC.

[0110] 47d. A process according to any of the previous details 35d through 46d wherein said process is conducted at ambient pressure.

[0111] 48d. A process according to any of the previous details 35d through 47d wherein the product of said process is isolated.

[0112] 49d. A process according to any of the previous details 35d through 47d wherein said process is conducted under continuous flow conditions.

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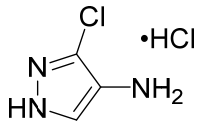
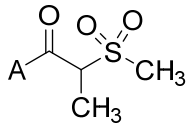


S2a ; and

(ii) an activated carboxylic acid **S1b**



S1b

wherein said A of said activated carboxylic acid **S1b** is selected from the group consisting of Cl, $O(C=O)R_1$, $O(C=O)OR_1$, and OR_1, wherein R_1 is $(C_1\text{-}C_4)$alkyl;

in the presence of a base and a solvent; and