Catalog #   11-1635   CALLERY™ Sodium *tert*-amylate, 25% in Toluene
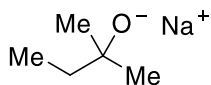
Technical Notes:
1. Used in the synthesis of efficient small molecule bulk heterojunction solar cells containing electron-deficient diketopyrrolopyrrole core with electron-rich pyrene end-groups.
2. Base promoting *N*-cyanation diverse range of cyclic and acyclic secondary amines using trichloroacetonitrile.
3. Used in the synthesis efficient and ultra-stable near-infrared organic light emitting diodes (OLEDs) based on diketopyrrolopyrrole derivatives.
4. Used in the deoxycyanamidation of alcohols with N-cyano-N-phenyl-pmethylbenzenesulfonamide (NCTS).
5. Base additive for the NHC/Cu-catalyzed direct alkylation of terminal alkynes with non-activated alkyl triflates.
6. Used in tandem [3 + 2] cycloaddition/reductive cyclization of nitrochalcones with activated methylene isocyanides for the efficient synthesis of pyrrolo[2,3-*b*]-quinolones.
7. Used in the CO_2-induced $ROCO_2Na/ROCO_2H$ buffer solution promoted the carboxylative cyclization of propargyl alcohol to synthesize cyclic carbonates.

Tech Note (1)
Ref. (1)

Tech Note (2)
Ref. (2)

Tech Note (3)
Ref. (3)

Tech Note (4)
Ref. (4)
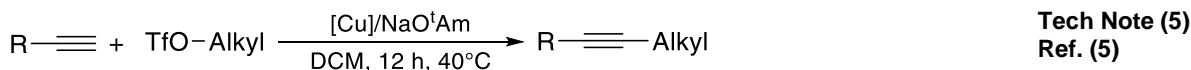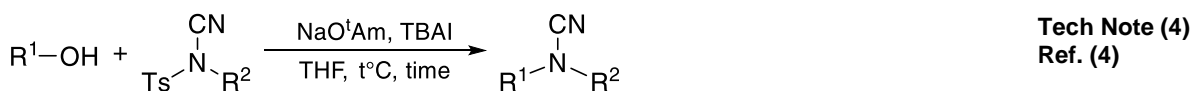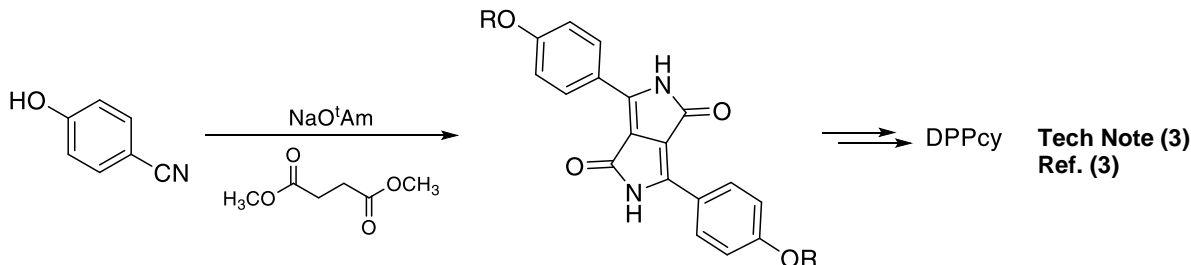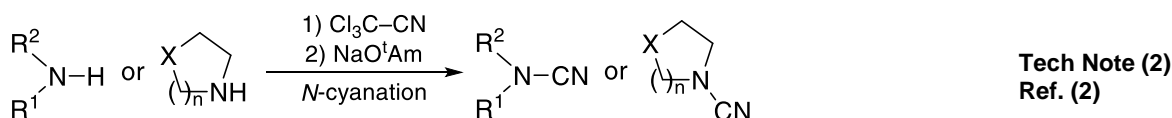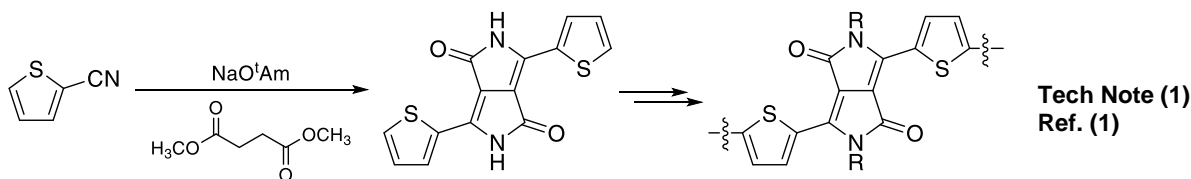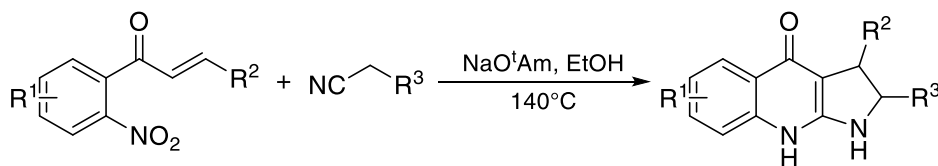
Tech Note (5)
Ref. (5)
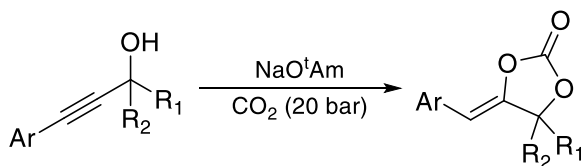
Tech Note (6)
Ref. (6)

Tech Note (7)
Ref. (7)

References:

1. *Adv. Mater.* **2011**, *23, 5359.*
2. *Org. Lett.* **2016**, *18,* 5528.
3. *Sci. Rep.* **2016**, *6*, 34096.
4. *Org. Lett.* **2017**, *19,* 3835.
5. *Chem. Commun.,* **2017**, *53,* 4124.
6. *Org. Lett.* **2017**, *19,* 5284.
7. *Catal. Sci. Technol.,* **2020**, *10,* 736.