Cascade Cyclization to Produce a Series of Fused, Aromatic Molecules

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### Domino Aromatizing Cyclization

**Significance:** Fused-ring monoaza-acenes where synthesized in high yield through a nucleophile-initiated cascade cyclization to generate fully aromatic products. The nucleophilic attack appears to be regioselective and all products were emissive.

**Comment:** All of the cyclized products form multi-point hydrogen-bonding interactions in the solid state.

![Chemical Structures]

**n-BuLi, THF, –78 °C, 2 h**

- Then –20 °C, 20 min, 96% yield
- Then –20 °C, 20 min, 97% yield
- Then –20 °C, 20 min, 64% yield

**Φ_F = 0.63**

**Φ_F = 0.16**

**Φ_F = 0.58**