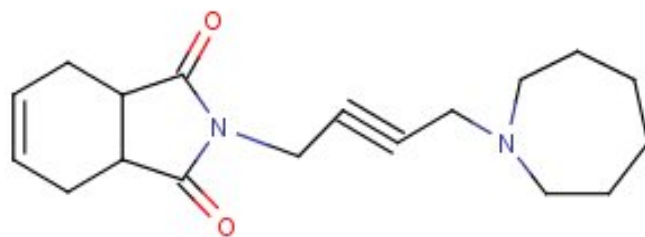


AM-3: 2-[4-(azepan-1-yl)but-2-yn-1-yl]-2,3,3a,4,7,7a-hexahydro-1H-isoindole-1,3-dione



The titled compound was prepared following the general procedure for synthesis of Aminoacetylenic compounds 1-6.

**Yielded** 2.85g 95%.

**<sup>1</sup>H-NMR (DMSO- d<sub>6</sub>):**  $\delta$ , 1.18-1.62 (m, 12H, protons of cyclic amine), 3.63-4.11 (s, 4H, CH<sub>2</sub>-C), 5.82 (s, 2H, CH=CH), (Fig 3.8).

**IR Spectra:** 2920 (C-H stretch), 2825 (C-H stretch), 1702 (C=O stretch), 1190 (N-C stretch), (Fig 3.9).