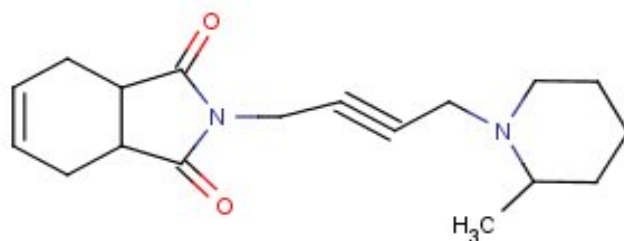


AM-1: 2-[4-(2-methylpiperidin-1-yl)but-2-yn-1-yl]-2,3,3a,4,7,7a-hexahydro-1H-isoindole-1,3-dione



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

**Yielded:** 2.8g, 93.3%.

**<sup>1</sup>H-NMR (DMSO- d<sub>6</sub>):**  $\delta$ , 1.17-1.72 (m, 11H protons of cyclic amine), 3.15-3.6 (s, 4H, C-CH<sub>2</sub>-N), 5.86 (d, 2H, CH=CH), (Fig 3.4).

**IR Spectra:** 2905 (C-H stretch), 2845 (C-H stretch), 1700 (C=O stretch), 1280 (N-C stretch), (Fig 3.5)