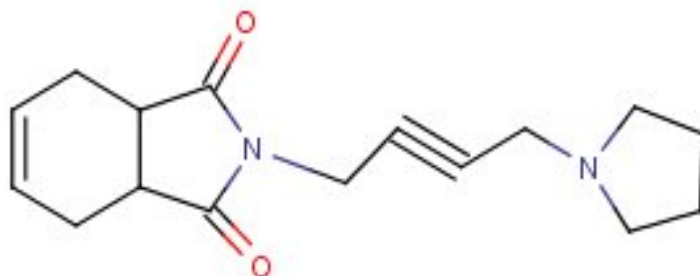


AM-6: 2-[4-(pyrrolidin-1-yl)but-2-yn-1-yl]-2,3,3a,4,7,7a-hexahydro-1H-isoindole-1,3-dione



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

**Yielded** 2.6g 95.58%.

**<sup>1</sup>H-NMR (DMSO- d<sub>6</sub>):**  $\delta$ , 2.16 (m, 4H, protons of cyclic amine), 3.56 (s, 2H, CH<sub>2</sub>-C), 4.11 (s, 2H, CH<sub>2</sub>-C), 5.85 (d, 2H, CH=CH), (Fig 3.15).

**IR Spectra:** 2936 (C-H stretch), 2840 (C-H stretch), 1720 (C=O stretch), 1253 (N-C stretch), 870 (C-H bend), (Fig 3.16).