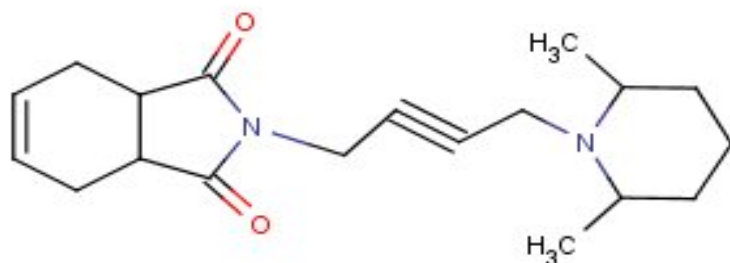


AM-2: 2-[4-(2,6-dimethylpiperidin-1-yl)but-2-yn-1-yl]-2,3,3a,4,7,7a-hexahydro-1H-isoindole-1,3-dione



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

**Yielded** 3g, 95.59%.

**<sup>1</sup>H-NMR** (DMSO- d<sub>6</sub>): δ, 1.16-1.66, (m, 12H protons of cyclic amine), 3.18, 4 (s, 4H, C-CH<sub>2</sub>-N), 4.12 (s, 1H, CH<sub>2</sub>-C), 5.83 (s, 2H, CH=CH), (Fig 3.6).

**IR Spectra:** 2910 (C-H stretch), 2830 (C-H stretch), 1700 (C=O stretch), 1312 (C-N stretch), (Fig 3.7).