

| S.No. | Gross formula | Structure | Solvent | δ_C [ppm] / nJ [Hz] | Ref. |
|-------|---|---|-------------------|--|--------|
| 689. | C ₁₈ H ₂₃ NO ₃ | <p>The structure is 1-(2-((2-methoxyphenyl)ethyl)amino)-2-propanone. It consists of a benzene ring substituted with a methoxy group (-OCH₃) at the 2-position and a 2-amino-3-methylbutan-1-yl group at the 1-position. The carbon numbering is as follows: 1'' to 6'' for the aromatic ring carbons; 1' to 3' for the propanone chain (C1' is the carbonyl carbon, C2' is the chiral center, C3' is the methyl group); and 4'' to 5'' for the ethylene bridge carbons connecting the ring to the amino group.</p> | CDCl ₃ | 166.3(C-1),122.5(C-2),140.7(C-3), 128.9(C-4),141.2(C-5),34.9(C-6), 34.9(C-7),46.9(C-1'),28.6(C-2'), 20.0(2xCH ₃ ,C-3'),135.0(C-1''), 108.7(C-2''),147.8(C-3''),145.9(C-4''), 108.1(C-5''),121.1(C-6''), 100.7(OCH ₂ O) | 91Zhi2 |

Reference

- 91Zhi2 Zhihui, D., Jingkai, D., Zonglian, C., Peiyu, B., Hayeshi, N., Komae, H.: *Phytochemistry* **30** (1991) 3797