

524. *Adducts of Alantolactone and isoAlantolactone with Bases.*

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FORMATION of amides from alantolactone and *iso*alantolactone by the action of ethanolic ammonia on crude alantolactone was described by Bredt and Posth¹ and by Sprinz.² Hansen,³ and Ruzicka and Pieth,⁴ later showed these substances to be addition compounds and, contrary to the earlier workers, established the formula $(C_{15}H_{20}O_2)_2NH_3$ for the *iso*alantolactone adduct. The alantolactone adduct was not obtained pure. Ruzicka and Pieth⁴ suggested that the adducts were probably formed by addition to the β -position

¹ Bredt and Posth, *Annalen*, 1895, **285**, 356.

² Sprinz, *Arch. Pharm.*, 1901, **239**, 201.

³ Hansen, *Ber.*, 1931, **64**, 67.

⁴ Ruzicka and Pieth, *Helv. Chim. Acta*, 1931, **14**, 1090.

