

Synthesis, Crystal Structure, and Spectral Characteristics of *N*-(*tert*-Butyl)aminomethanesulfonic Acid

R. E. Khoma^{a,b}, V. O. Gel'mbol'dt^c, A. A. Ennan^a, V. N. Baumer^{d,e}, and A. N. Puzan^d

^a *Physicochemical Institute for Human and Environmental Protection,
Ministry of Education and Science of the National Academy of Sciences of Ukraine,
ul. Preobrazhenskaya 3, Odessa, 65082 Ukraine
e-mail: rek@onu.edu.ua*

^b *Mechnikov Odessa National University, Odessa, Ukraine*

^c *Odessa National Medical University, Odessa, Ukraine*

^d *Institute of Single Crystals of the National Academy of Sciences of Ukraine, Kharkov, Ukraine*

^e *Karazin Kharkiv National University, Kharkov, Ukraine*

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Abstract—A new method of the synthesis of *N*-(*tert*-butyl)aminomethanesulfonic acid in the system SO₂–(CH₃)₃CNH₂–CH₂O–H₂O was developed. The target compound [(CH₃)₃C]NHCH₂SO₃H was characterized by means of X-ray diffraction analysis, IR spectroscopy, and mass spectrometry.

Keywords: sulfur(IV) oxide, paraformaldehyde, primary alkylamine, condensation

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