C_4N_3

$C(CN)_3^-$ Baer W. K. 1962

Синт Diss. Abstr., 1962, 23, №6, 1957.

ИК-спектры и спектры комб. расс. $VOBr_3$, $AsBr_3$, $PO(NCO)_3$, $P(NCO)_3$, $CCl(CN)_3$ $[C(CN)_3]^-$ - иона.

(сол. $VOBr_3$)

С.А. 1963. 58 №8 #5159f

$C(CN)_3^-$

1962

6 Д223. Колебательные спектры и структура иона трицианометанида $C(CN)_3^-$. Long D. A., Carrington R. A. G., Gravenor R. B. Vibrational spectra and structure of the tricyanomethanide ion C(CN). «Nature» (Engl.), 1962, 196, № 4852, 371—372 (англ.)

На основании изучения ИК-спектра и спектра комб. рас. натриевой соли трицианометанида сделан вывод о плоской структуре иона.

Ф · 1963 · 6Д

$[C(CN)_3]^-$

Miller F. A.,
Baer W. K.

1963

спектр.

Spectrochim. acta, 1963, 19, N 1, 73.

$C_4N_3^-$

ИК-спектры и спектры комбинационного рассеяния хлористых натрия и калия

Ф. 1966. 6Д

трицианметана.

[см. $ClC(CN)_3$]

$C_6(CN)_3$ Bp-M518-IV 1963

Miller F.A

(Vi) Pure and Appl. Chem., 1963, 7 n 1, 125-9

$C(CN)_3$

(vi)

1963

[C(CN)3]-

Vi

сим. колеб.

C4N3-

Potential constants of tricyanomethanide ion. G. Nagarajan (Oklahoma State Univ., Stillwater). *Indian J. Pure Appl. Phys.* 1(7), 273–4(1963); cf. Wilson, *CA* 34, 295^5; 35, 1280^5; Pistorius, *CA* **53**, 8807*g*. Nine force consts. for $[C(CN)_3]^-$, possessing a planar sym. structure with the point group D_{3h}, were calcd. on the basis of Wilson's group theoretical method. Their values in millidynes/A. were: f_d 4.658, f_{dd} 1.123, f_r 18.226, f_{rr} 1.443, f_{dr} 1.885, f_α 0.677, f_β 0.493, f_γ 0.068, and f_ω 0.149, where f_d is the force const. owing to C—C stretching, f_r that of C:N stretching, f_α that of C—C—C bending, f_β that of C—C:N bending, f_γ that of the C—C bond with the plane of the ion, f_ω that of the out-of-plane bending between C—C and C:N bonds, and others are the resp. interaction consts. BGJN

C.A. 1963. 59. 12

13458fg

$C(CN)_3^-$

1976

Radom L.

Aust. J. Chem. 1976
29(8), 1635-40

(расчет спектра)

($CH_2NH_2^-$) III

$C(CN)_3^-$ matrices 6724 1978

Poppinger D., et al

Molecular

Properties Chem. Phys., 1978,

30, 415-22.

$C(CN)_3^-$ | опишем 8581 | 1979.

Alix A. J. P.
et al.

спектроскоп.
ср. анализ.
колебан.

Spectrosc. Lett.
1979, 12 (5), 387-409

$C(CN)_3^-$

1989

110: 237769k Chemical modeling of the solvation of dicyanamide and tricyanomethanide ions. Garbuz, S. V.; Skopenko, V. V.; Khavryuchenko, B. D.; Gerasimchuk, N. N. (Kiev. Gos. Univ., Kiev, USSR). *Teor. Eksp. Khim.* 1989, 25(1), 92-6 (Russ). The SCF MO-LCAO method and the semi-empirical MNDO-HB (H bond) approxn. were used to calc. geometric and electronic structures of $C(CN)_3^-$ and $N(CN)_2^-$ solvates in alc., H_2O, $CHCl_3$, or CH_2Cl_2 solns. The monosolvates of these ions resemble H bonded complexes of av. stability.

(теор. расч)

$N(CN)_2^-$

C.A. 1989, 110, N 26

$C(CN)_3^-$

1995

123: 123711y Molecular constants of tricyanomethanide ion. Kamaraj, V. (Department of Physics, Anna University, Madras, 600 025 India). *Asian J. Chem.* 1995, 7(3), 604–7 (Eng). Coriolis coupling coeffs., centrifugal distortion consts. and thermodn. functions of tricyanomethanide ion $C(CN)_3^-$ have been calcd. using the force consts. evaluated on the basis of General Valence Force Field.

ИК-л.,
спец. косм.,
расчет

C.A. 1995, 123, N10