

Hg - J

V 1631

4941

HgICl (E)

Wioland K.

Helv. Phys. acta 1941, 14, 549-51

Binding energy in the molecule HgICl.

CA, 1942, 6849⁴

J.

Est. fotok.
ECTB U. K.

V 1630

1942

HgClBr, HgBrI, HgClI (ω)

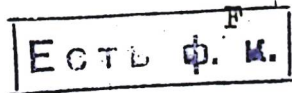
Muller P.

Halv. Phys. Acta 1942, 15, 233-58

Electronic band spectra of triatomic linear
asymmetric molecules.

CA, 1942, 6901'

.J.



HgBr₂ H

[BP-9786-IV] [BP-3488-VI] 1963
Nagayasu G.

сис. и осн.
структура

Z. Physik. Chem., 224 (3/4), 256.

ν_i

Mean amplitudes of vibration
and thermodynamic functions
of some linear XYZ type mo-
lecules.

(see. LaC₂)

C. A. 1964. 60.9
9935f

Торугъ, Хоругъ, Фолугъ, Исугъ Ве, Лг, 1968
Zn, Cd, Hg, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, 67
HgClBr, HgBrI (см. пос. сержнев. адр.) 9
(амма. колебаний)

Cyvin S. J. Vizi B. VI 6991
Veszpremi Vegyip. Egyet. Kozlem, 1968,
10 (9) 11(1), 83-9

Mean amplitudes and shrinkage 50
effects of vibration for same linear

Hg₃²⁺

1973

Griffiths Trevor R.

empyryna of Chem. Soc. Chem. Commun.
1979, (2), C1-2.

see HgCl₃ - I

1980

HgCl₂HgBr₂

HgBrCl

(cncwp)

92: 155279w The electronic spectra of the mixed mercury dihalides. Part 1. Computational procedures for calculating spectra, for a new route to equilibrium and formation constants, and the resolved spectra. Griffiths, Trevor R.; Anderson, Richard A. (Dep. Inorg. Struct. Chem., Univ. Leeds, Leeds, Engl. LS2 9JT). *J. Chem. Soc., Dalton Trans.* 1980, (2), 205-8 (Eng). Three methods are described for computing the electronic spectra of HgCl₂, HgBr₂, and HgBrCl, free from the contributions of other species, based on the exptl. spectra of equimolar mixts. of HgX₂ and HgY₂ (X, Y = halogen), or of HgX₂ with added Y⁻. A procedure is given for computing the formation consts. of the mixed species; the spectra were resolved into their component bands, and their spectral parameters were calcd. Each spectrum contains 3 bands, with peak max. at 37,800, 46,600, and 53,400 for HgCl₂, 37,800, 43,200, and 51,210 for HgBr₂, and 43,500, 47,400, and 57,200 cm⁻¹ for HgBrCl.

C.A. 1980. 92, N18

1980

HgCl₂

HgClBr

HgBr₂

J. Chem. Soc.

92: 155280q The electronic spectra of the mixed mercury dihalides. Part 2. Identification, equilibrium and formation constants, and assignment of transitions. Griffiths, Trevor R.; Anderson, Richard A. (Dep. Inorg. Struct. Chem., Univ. Leeds, Leeds, Engl. LS2 9JT). *J. Chem. Soc., Dalton Trans.* 1980, (2), 209-15 (Eng). The electronic absorption spectra of HgCl₂, HgBr₂, and HgBrCl in H₂O at 20° were computed at 200-320 nm; they are not the mean of the spectra of HgX₂ + HgY₂ (X, Y = halogen). For the reaction $\text{HgX}_2 + \text{HgY}_2 \rightleftharpoons 2\text{HgXY}$, the spectra were derived by 2 different methods which gave the same profile. Equil. consts. (log K) for this exothermic reaction, independent of added NaClO₄ are: HgCl₂ 1.40, HgBr₂ 1.26, and HgBrCl 0.70. Values of the equil. const. log K for $\text{HgX}_2 + \text{Y}^- \rightleftharpoons \text{HgXY} + \text{Y}^-$, obtained by a graphical method, are 0.98, 0.52; and 0.23 for XY = Cl₂, Br₂, and BrCl, resp. The spectra calcd. by this method agree with those calcd. by the other 2 methods. The resolved spectral bands were assigned and explained.

C.A. 1980. 92. 18

HgI₃⁻
(Kong.)

1980
93: 227825s Compounds of complex halo and pseudohalo acids of the Group II B metals. Part III. Spectral studies of the triiodomercurate(II) (HgI₃⁻) ion. Perlepes, S. P.; Zafiropoulos, T. F.; Kouinis, J. K.; Galinos, A. G. (Dep. Inorg. Chem., Univ. Patras, Patras, Greece). *Z. Naturforsch., B: Anorg. Chem., Org. Chem.* 1980, 35B(10), 1244-6 (Eng). A study has been made of the far-IR spectra (250-30 cm⁻¹) of the complexes in the solid state. Assocd. anionic structures are present in the 2 complexes. The UV spectrum of the aniline complex, in 3 solvents, show that the HgI₃⁻ ion is the predominant anionic species in soln.

2i' uk enekip

Q. 1980, 93, N. 24



[Ommux 13126] 1981

UK cncmp

Contreras J. F., Segu-
el G. V.,

Spectrochim. acta,
1981, A37, N11, 1011-



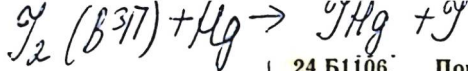
1014.

HgYBr₂²⁻ [Ummuck 18126] 1981

UK creep

Contreras J. F., Seguel
G. V.,

Spectrochim. acta,
1981, A37, N11, 1011-
● 1014.



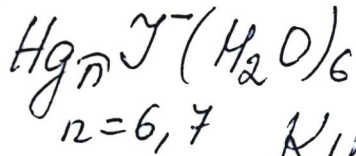
1983

24 Б1106. Поиск лазерно-индуцированной реакции возбужденного $J_2(B^3\Pi)$ с Hg в скрещенных пучках. Search for the laser-induced crossed beam reaction of excited $J_2(B^3\Pi)$ with Hg. Oprysko M. M., Aoiz F. J., Bernstein R. B., McMahon M. A. «Chem. Phys.», 1983, 79, № 3, 341—350 (англ.)

Сообщается о безуспешной попытке детектирования продукта JHg, возникающего в р-ции $J_2(B^3\Pi) + Hg \rightarrow JHg + J$ в условиях молек. пучков при относит. энергии реагентов $\leq 2,8$ эВ. Прямое обнаружение JHg в этих условиях затрудняется малой долей возбужденного йода (возбуждение аргоновым лазером) (0,38%), малым телесным углом рассеяния продуктов и малой энергии связи продукта. Сечение р-ции, если она вообще идет, не превышает половины сечения р-ции с участием невозбужденного йода. Поскольку в экспериментах в газе обнаружена р-ция электронно-возбужденного J_2 с Hg, она, вероятно, должна быть интерпретирована как результат многократных столкновений, к-рых нет в экспериментах с пучками.

Е. Е. Никитин

X. 1983, 19, N 24



1984

$n=6, 7$

Kuznetsov A.,
Reinhold J., et al.

поверхн.
потенц.
энергии

Electrochim. acta,
1984, 29, N 6, 801-806.

●
(сер. $\text{Hg}_n\text{Cl}^-(\text{H}_2\text{O})_6$; III)

HgCl₂

1985

Shuvaev A. V., Belavantssev V. I., et al.

94. cнeкmp IZV. Sib. Otd. Akad.
nорeонs. Nauk SSSR, Ser. Khim.
Nauk 1985, (5), 38-42.

(сeи. HgCl₂; III)

HgI_n

1986

Kononov L.,
Davarski K.

(P_{Hg-I},
I_{Hg-I})

J. Coord. Chem. 1986,
14 (3), 201-7.

(cr. HgCl_n, III)

$(\text{HgI}_2)_2$

1994

Kapp Martin, von Schre-
ing Hans Georg.

u. n. Inorg. Chem. 1994. 33,
N12. C. 2555-2564.

(, $(\text{HgF}_2)_2$; III)

Hg: La

1995

Liao Meng-sheng,
Zhang Qian-m, Schwarz WK.
Eugen,

M.N.

Inorg. Chem., 1995, 34, N22,
C 5597-5605

p.m.X.N18, 1996, 18 5124