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Bis - Azomethine

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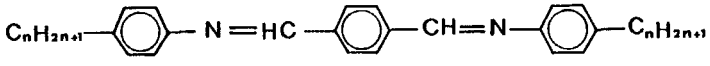
BIS — AZOMETHINE

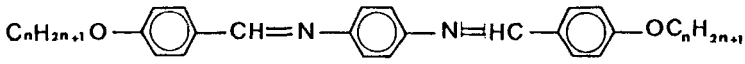
Terephtalaldehyd-bis-4-n-alkylphenylimine



	n	K	S_G	S_H	S_G	S_C	S_A	N	I	Ref Ph	Ref Tr
1743	4	. 113 –	.	.	. 144.1	. 172.5	. 199.5	. 216.5	.		6
		α2.4 **15.83**			α7.7 **5.83** α6.4	∿0 α6.2				B*	B*
		ρ1.065 (100) **R4.3**			ρ1.011 (120) **R1.5** ρ0.9718 (162)	**R∿0** ρ0.95 (189)				B*	7
		ρ1.08 **R7**			ρ1.01					233	233
	a	[58] .	[68] .	[85]							6
		5.4 α1.71	**6.3** α3.5	∿0.5						B*	B*
		R1.5 ρ1.06 (64)	**R1.6** ρ1.03 (80)	R0.15						B*	B*

a On cooling

N,N'-Bis-[4-n-alkoxybenzylidene]-phenylenediamine-(1,4)



n	K_1	K_2	K_3	N	I	Ref Ph	Ref Tr
4	. 118.6	. 182.5*	. 183*	. 290.6	.		128
	0.598	*1.63*	*6.9*	*0.359*			128
	37.3	11.3*	11.3*	11.1			128
	1.7			**2.5**			128
		13.2	**56**				
		. (184.1)	—	.			128
		24.7					128

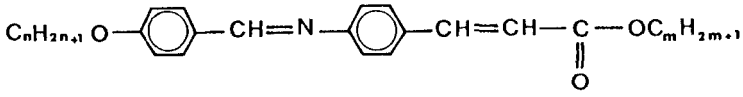
	n	K_1	K_2	K_3	S	S_H	S_G	S_I	S_C	N	I	Ref Ph	Ref Tr
1773	5	. 148.2	.	– 173.4	–	–	–	–	–	.	265.9		212
		1.15		*6.22*							*0.26*		212
		27.8		23.7							12.0		212
		4.1		**24.6**							**1.7**		212
1774	6	. 123.6	. 137.9	. –		. 160.1	. 167.1	.	167.9	. 185.9	. 254.4		212
		2.1	*0.84*		*4.55*[a]			*1.1*[b]		*0.55*	*0.31*		212
		37	32.7	19.7[a]		26.1[a]			25.2[a]	33.4	13		212
		6.0	**2.6**		**19.9**[a]			**4.0**[b]		**1 5**	**1.9**		212
1775	7	. 111.9	. 125.3	–	. 148.6	. 155.8	. 162.6	.	168.1	. 197.9	. 240.3		212
		3.04	*1.24*		*1.63*	*0.36*		*0.76*[b]		*0.65*	*0.26*		212
		30 .	14.5		24.1	29.1	23[a]		24.3[a]	28.7	13.4		212
		11.0	**9**		**6.7**	**1.2**		**3**[b]		**2.0**	**1.6**		212
						0.99	**–1.52**		**3**				121*
						RO.8	**– RO.27**		**RO.59**				121*
						$\rho 0.865_{150}$	$\rho 0.855_{158}$	$\rho 0.852_{164}$		$\rho 0.84_{176}$		121*	
1776	8	. 111.9	–	. 115.9	. 143.1	. 150.4	. 155.5	.	164.9	. 204.3	. 233.1		212
		2.44		*1.6*	*1.27*	*0.34*	*0.086*		*0.55*	*0.67*	*0.34*		212
		32.3		18.7	29.6	33	22.7		23.0	27.9	15.4		212
		8.2		**9.2**	**4.3**	**1**	**0.37**		**2.2**	**2.1**	**1.8**		212
						0.96[a]	**–2.9**		**1.17**[a]				121
						RO.19	**– RO.54**		**RO.23**				121*
						$\rho 1.02_{147}$	$\rho 1.005_{152}$	$\rho 1.005_{160}$		$\rho 0.995_{167}$		121*	

a K_3–S_2 transition

b S_2–S_C transition

n	K	S_H	S_G	S_I	S_C	N	I	Ref Ph	Ref Tr
12	. 121.6	. 131	. 133.4	. 156.8	. 204	. 205.3 .			128
	9.6	*1.55*	*0.79*	*0.63*	*1.65*	*0.53*			128
	25.3	29.6	29.4	22.3	24.3	19.6			128
	41.1	**5.3**	**2.0**	**2.3**	**6.0**	**2.3**			128
		. (131) –	.						128
		33.2							128
13	. 125	. 129.2	. 130.2	. 154	. 199.4 –		.		128
	3.49	*1.5*	*0.72*	*0.74*	*2.7*				128
	24.6	31.8	40.6	22.8	24.1				128
	14.9	**4.9**	**1.8**	**3.17**	**9.9**				128
	. (129.4) –	–	.						128
	38.7								128
		. (130.2) –	.						128
		39.8							128
					. (200.5)	. (198.4)	.		128
					24.9	20.7			128
14	. 123.5	. 125.9	. 127.1	. 152.1	. 195.9 –		.		128
	13.3	*1.27*	*0.96*	*0.05*	*2.80*				128
	22.3	28.6	48.3	23.1	24.3				128
	62.9	**4.6**	**2.1**	**3.3**	**10.3**				128
	. (125.8) –	–	.						128
	35.3								128
		. (124.7) –	.						128
		30[f]							128
					. (199.9)	. (195.6)	.		128
					27.7	23.2			128

4-Alkyl-4'-alkoxybenzylidene-aminocinnamates



	n	m	K	S_B	S_A	N	I	Ref Ph	Ref Tr
1864	2	2	. 81.4	. 119.3	. 157.3	. 160.2	.		15
			Z.29 α6.9	1.2 α9.6	2.87 α23.3	1.41 α11.6		15*	15
			R0.79	R0.404	R0.9	R0.448			15
			ρ1.126	ρ1.1027 102	ρ1.0677 140	ρ1.0306 159	ρ1.0213 164	15	
			K	S_B	S_C	S_A	I		
1878	12	5	. 77.6	. 94.6	. 106.7	. 137.2	.		15
			8.83 α7.3	5.3 α10.5	0.77 α8.7	6.91 α10.5		15*	15
			R1.76	R1.02	R0.146	R1.28			15
			ρ1.016	ρ0.989 87	ρ0.9672 101	ρ0.9507 121	ρ0.9232 139	15	