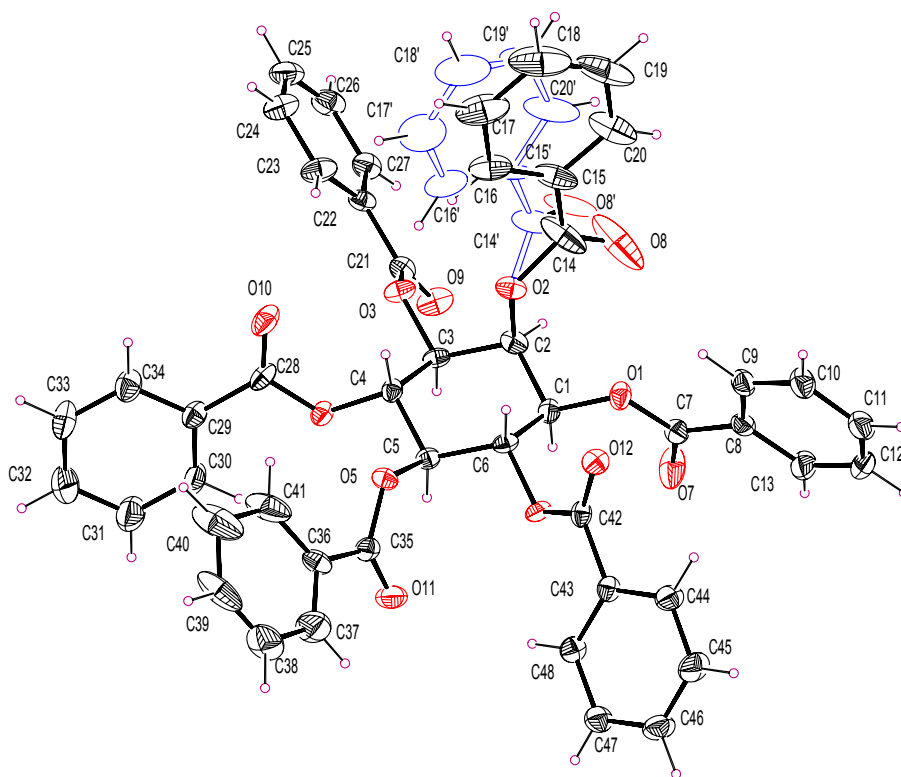
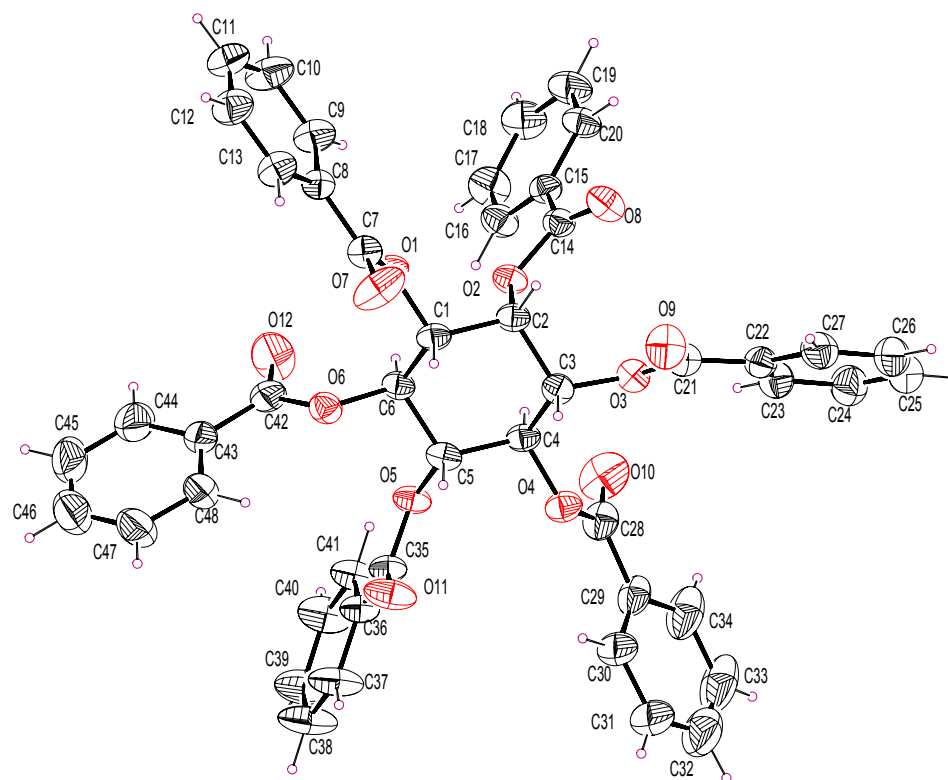


ORTEP View With the Atom Numbering

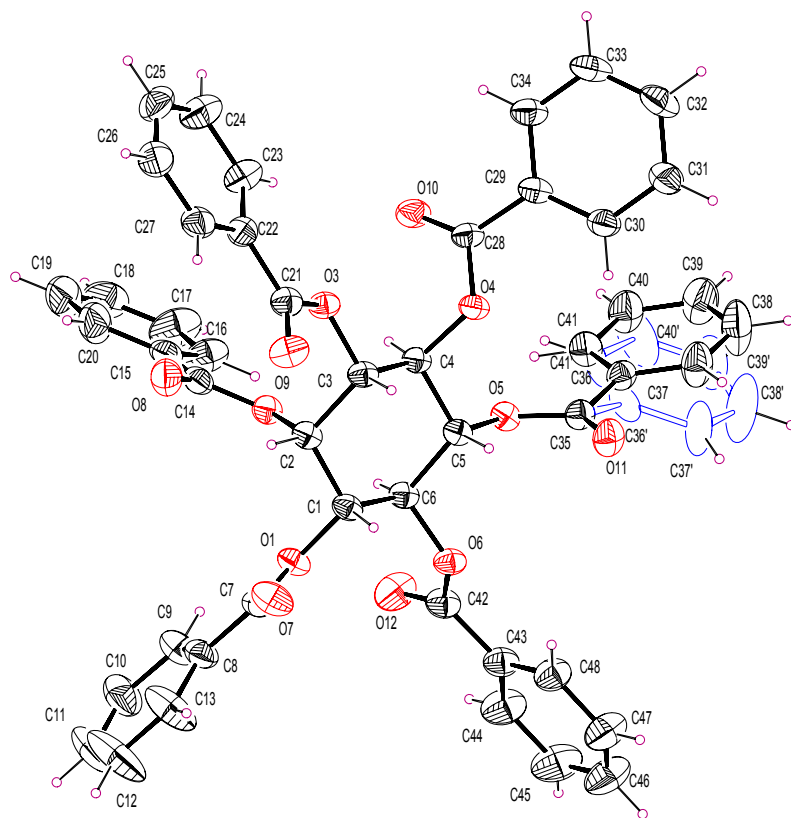
Form I



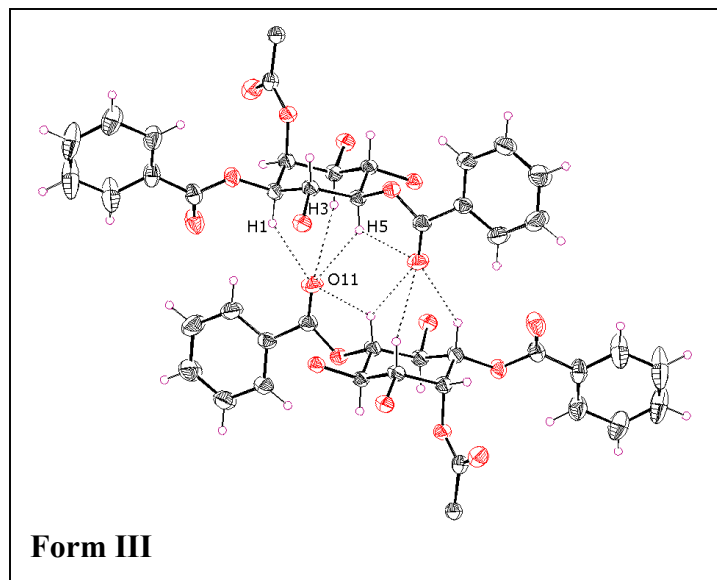
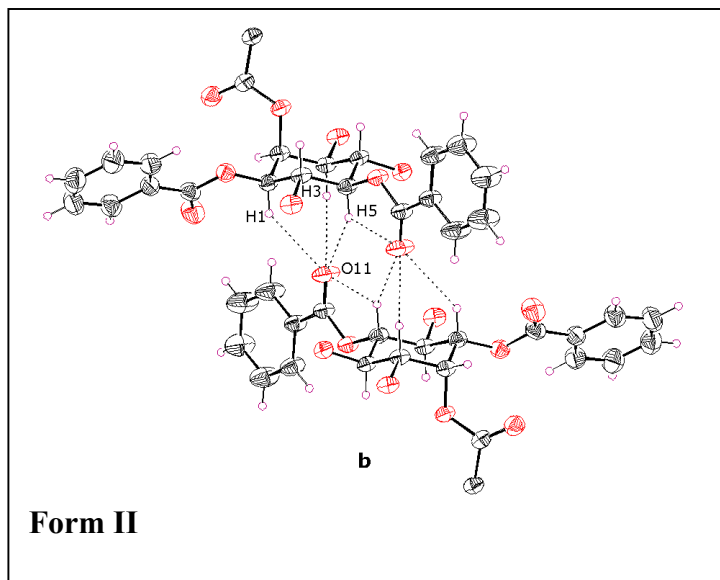
Form II



Form III



Similarity in Centrosymmetrically Trifurcated Bridged Pair-Form II and Form III



Only Form II is given in the manuscript because of the similarity of this Form with III. The geometry of interactions within this pair is given below:

C-H...O Interactions in Form II (again recorded for easy comparison with III)

D-H...A	d(D-H) Å	d(H...A) Å	d(D...A) Å	<(D-H...A)°
C(1)-H(1)...O(11)#1	0.98	2.48	3.340(3)	146.9
C(3)-H(3)...O(11)#1	0.98	2.70	3.514(3)	140.2
C(5)-H(5)...O(11)#1	0.98	2.48	3.335(3)	145.4

C-H...O Interactions in Form III

D-H...A	d(D-H) Å	d(H...A) Å	d(D...A) Å	<(D-H...A) °
C(1)-H(1)...O(11)#2	0.98	2.40	3.249(3)	144.4
C(3)-H(3)...O(11)#2	0.98	2.51	3.335(3)	141.7
C(5)-H(5)...O(11)#2	0.98	2.67	3.444(3)	136.3

Symmetry transformations used to generate equivalent atoms:

#1 -x+1,-y+1,-z #2 -x+2,-y+2,-z+1

Intermolecular Weak Interactions in Forms I, II and III:

Apart from the C-H...O interactions highlighted in our manuscript, which link the nearest pairs, there are other interactions as well in all the three forms. They are given here for ready reference.

C-H... π Interaction in Forms I, II and III**Form I**

X--H(I)	Cg(J)	H..Cg (Å)	H-Perp (Å)	X-H..Cg (°)	X..Cg (Å)
C(33) -H(33)...	Cg(7) ³	3.2535	3.176	141.04	4.0193
C(38) -H(38)...	Cg(2) ¹	3.1047	3.028	161.97	3.9994
C(47) -H(47)...	Cg(4) ²	2.9101	2.853	148.82	3.7369
C(19') -H(19')...	Cg(6) ¹⁰	3.1049	2.958	145.57	3.9075

Form II

C(10) -H(10)...	Cg(4) ⁶	2.8496	2.845	140.57	3.6165
C(45) -H(45)...	Cg(5) ³	2.9975	2.772	140.90	3.7652
C(26) -H(26)...	Cg(2) ⁵	2.8431	2.785	146.14	3.6523
C(33) -H(33)...	Cg(3) ⁸	2.9484	2.829	138.04	3.6926

Form III

C(24) -H(24)...Cg(5) ⁹	3.1517	3.082	141.77	3.9247
C(33) -H(33)...Cg(3) ⁹	3.1693	3.120	141.04	3.9361
C(50) -H(50A)...Cg(4) ⁴	3.3300	3.311	130.59	4.0291

$\pi\ldots\pi$ Interactions in Form I, II and III

There are no significant $\pi\ldots\pi$ interactions in Forms I and II; Form III has a single $\pi\ldots\pi$ interaction as given below

Cg(I) Cg(J)	Cg-Cg (Å)	Alpha (°)	CgI_perp (Å)	CgJ_perp (Å)
Cg(2) Cg(2) ⁷	3.877	0.00	3.835	3.835

Alpha – Dihedral angle between planes I and J in Degree.

Cg 2 = C8-C13, Cg 3 = C15-C20, Cg 4 = C22-C27, Cg 5 = C29-C34, Cg 6 = C36-C41, Cg 7 = C43-C48, Cg 3' = C15'-C20'

¹ -1+X,-1+Y,Z; ² -1+X,Y,Z; ³ X,-1+Y,Z; ⁴ -1+X, -1+Y,-1+Z; ⁵ X,1+Y,Z; ⁶ -X,1-Y,1-Z; ⁷ 2-X,3-Y,2-Z; ⁸ -X,2-Y,-Z; ⁹ 3-X,3-Y,1-Z; ¹⁰ 1+Y,1-X+Y,-1/6+Z

Other C-H...O Interactions in Forms I, II and III

Form I [Å and deg (°)]

D-H...A	d(D-H)	d(H...A)	d(D...A)	$\angle$ (DHA)
C(9)-H(9)...O(7)#1	0.93	2.87	3.435(5)	120.1
C(10)-H(10)...O(7)#1	0.93	2.88	3.436(6)	119.5
C(12)-H(12)...O(10)#4	0.93	2.48	3.334(5)	152.1
C(25)-H(25)...O(11)#6	0.93	2.52	3.322(5)	144.3
C(27)-H(27)...O(10)#3	0.93	2.42	3.227(5)	145.0
C(39)-H(39)...O(7)#5	0.93	2.63	3.538(6)	164.8
C(44)-H(44)...O(11)#1	0.93	2.69	3.376(5)	131.7
C(46)-H(46)...O(8')#2	0.93	2.58	3.486(11)	165.2

Symmetry Code: #1 y,-x+y+1,z-1/6 #2 x-1,y,z #3 x-y+1,x,z+1/6 #4 x,y+1,z #5 y-1,-x+y,z-1/6 #6 x+1,y,z

Form II [Å and deg (°)]

D-H...A	d(D-H)	d(H...A)	d(D...A)	<(DHA)
C(18)-H(18)...O(9)#3	0.93	2.79	3.673(4)	158.1
C(19)-H(19)...O(7)#5	0.93	2.91	3.658(4)	137.9
C(24)-H(24)...O(10)#4	0.93	2.77	3.613(4)	151.5
C(41)-H(41)...O(12)#2	0.93	2.52	3.228(4)	133.4
C(48)-H(48)...O(4)#1	0.93	2.91	3.650(4)	137.3

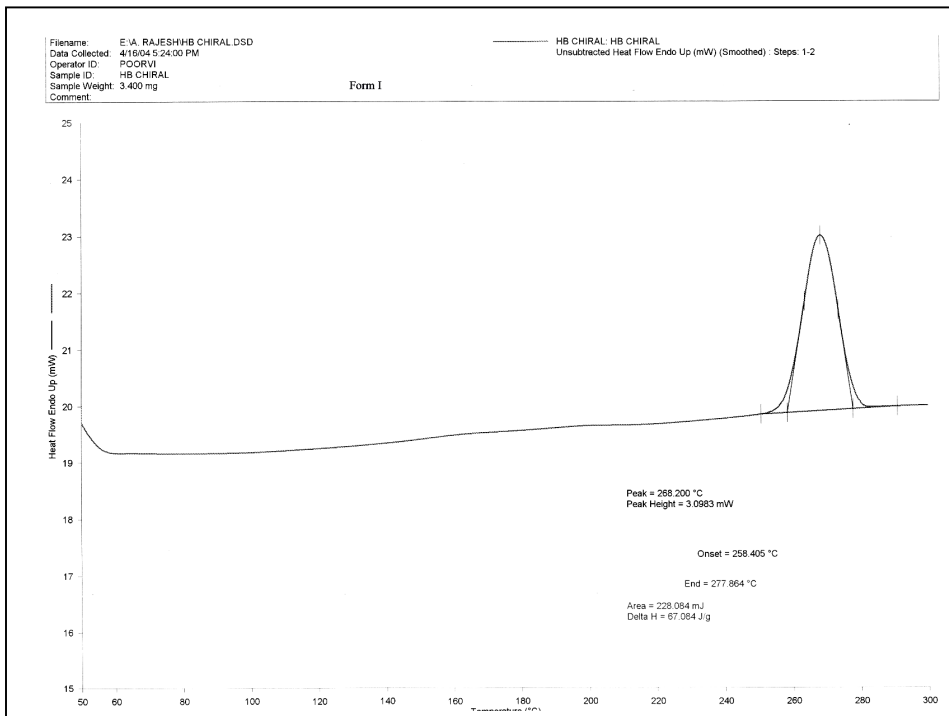
Symmetry Code: #1 -x+1,-y+1,-z #2 -x,-y+1,-z #3 x-1,y,z #4 -x,-y+2,-z #5 -x,-y+1,-z+1

Form III [Å and deg (°)]

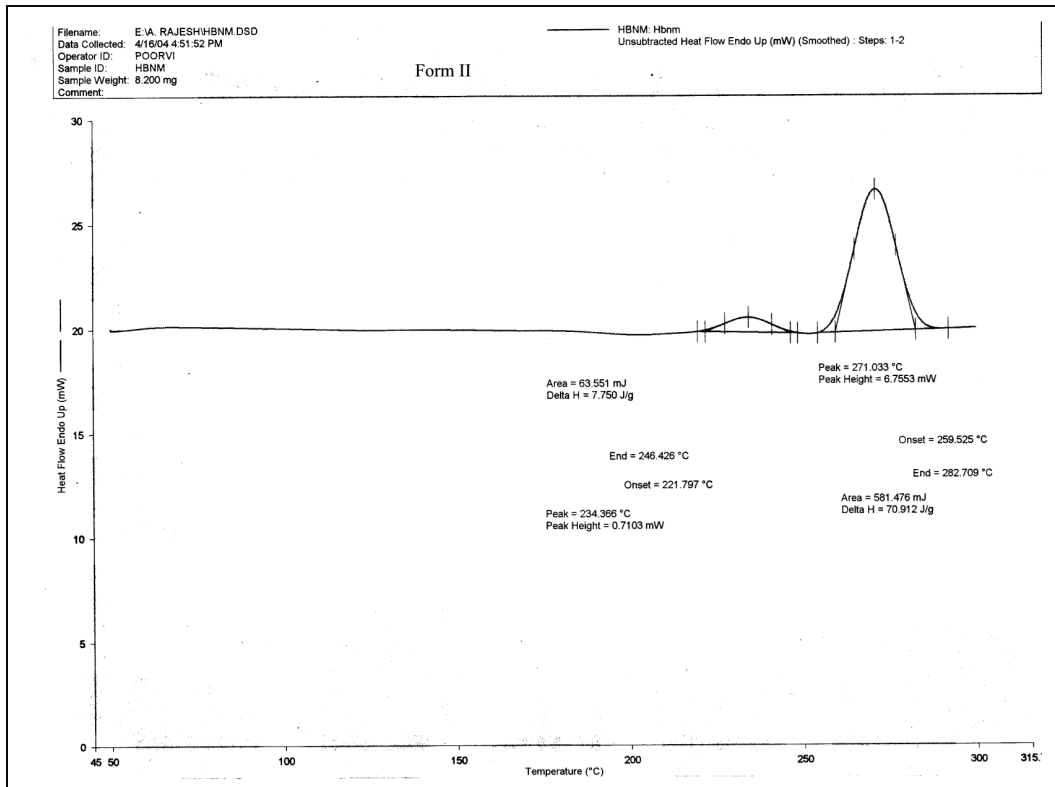
D-H...A	d(D-H)	d(H...A)	d(D...A)	<(DHA)
C(11)-H(11)...O(8)#3	0.93	2.52	3.365(4)	150.5
C(17)-H(17)...O(12)#4	0.93	2.50	3.230(6)	135.2
C(34)-H(34)...O(10)#5	0.93	2.53	3.400(4)	155.6
C(37)-H(37)...O(7)#2	0.93	2.62	3.404(5)	142.6
C(48)-H(48)...O(4)#2	0.93	2.71	3.516(3)	145.6
C(49)-H(49B)...O(10)#1	0.97	2.63	3.375(5)	133.4
C(49)-H(49A)...O(12)#4	0.97	2.40	3.232(4)	143.2
C(50)-H(50B)...O(9)#2	0.97	2.59	3.104(6)	113.1
C(27)-H(27)...O(8)#6	0.93	2.82	3.489(4)	129.7

Symmetry Code: #1 x-1,y-1,z #2 -x+2,-y+2,-z+1 #3 -x+2,-y+3,-z+2 #4 -x+2,-y+3,-z+1
#5 -x+3,-y+3,-z+1 #6 -x+3,-y+3,-z+2

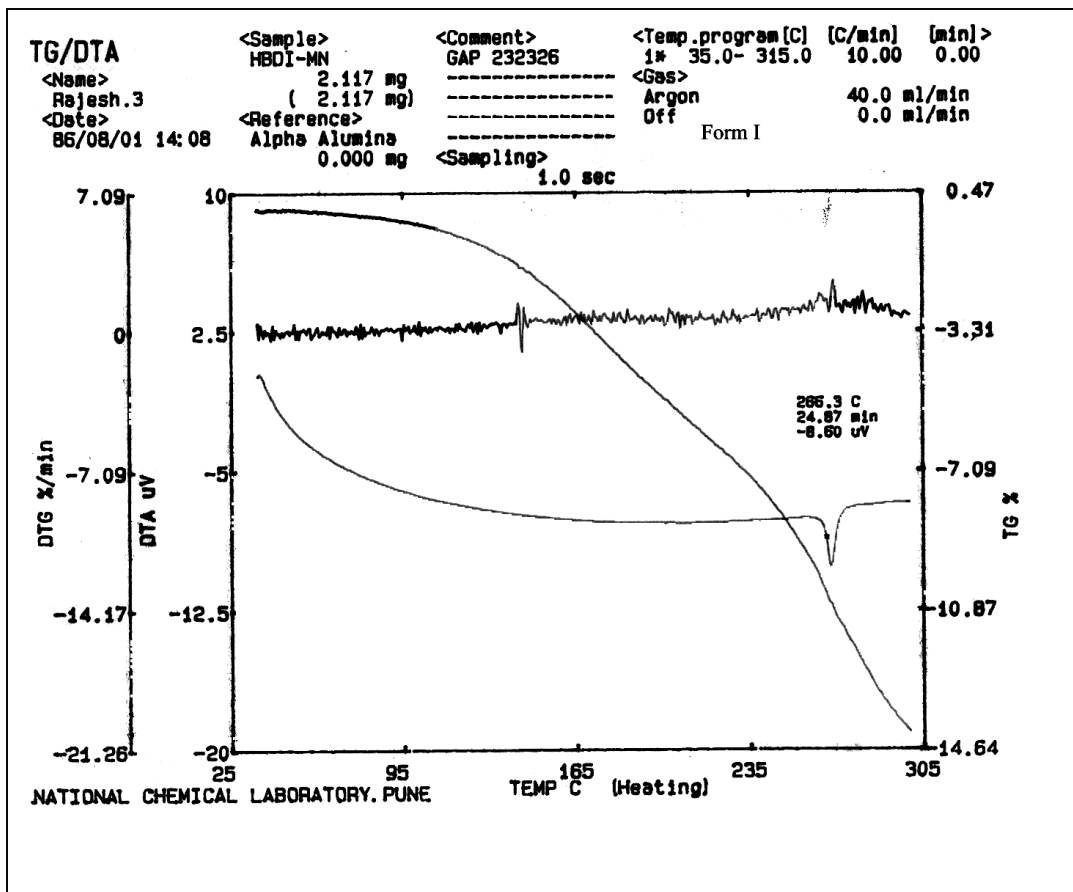
1) DSC of Form I



2) DSC of Form II



3) TG / DTA of Form I



4) TG / DTA of Form II

