

**Amounts of organic modifier at retention of individual compounds
for zero approximation for 1st run of rapid method development
on all five tested columns.**

A) Acetonitrile as organic modifier:

Column Compound	YMC Triart C18			Halo C18			Halo Phenyl-Hexyl			Halo C8			Symmetry C8		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Impurity A	28	19	9	19	15	4	18	15	3	20	15	5	20	18	2
Impurity B	63	33	30	58	25	33	52	29	23	55	24	31	58	23	35
Impurity C	60	43	17	56	35	21	52	39	13	53	34	29	56	33	23
Impurity D	60	43	17	56	35	21	52	40	12	53	35	28	56	33	23
Impurity E	66	44	22	62	37	25	56	41	15	58	36	22	60	35	25
ARIPRAZOLE	65	46	19	61	39	22	55	44	11	59	38	21	59	36	23
Impurity G	59	51	8	57	44	13	52	50	2	53	43	10	54	40	14

B) Methanol as organic modifier:

Column Compound	YMC Triart C18			Halo C18			Halo Phenyl-Hexyl			Halo C8			Symmetry C8		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Impurity A	42	39	3	34	24	10	33	28	5	34	23	11	39	33	6
Impurity B	87	51	36	81	42	39	75	51	24	80	41	39	76	39	37
Impurity C	89	60	29	84	53	31	84	65	19	84	51	33	79	49	30
Impurity D	89	60	29	84	52	32	84	65	19	84	50	34	79	48	31
Impurity E	94	65	29	88	58	30	87	69	18	88	56	32	83	54	29
ARIPRAZOLE	92	65	27	88	59	29	87	72	15	88	56	32	82	54	28
Impurity G	94	76	18	88	69	19	88	88	0	88	66	22	83	63	20

A represent % of organic modifier at the retention time in simulated chromatogram

B represent % of organic modifier at the retention time in experimental chromatogram

C is the difference between A and B