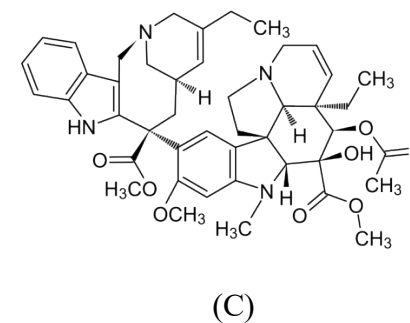
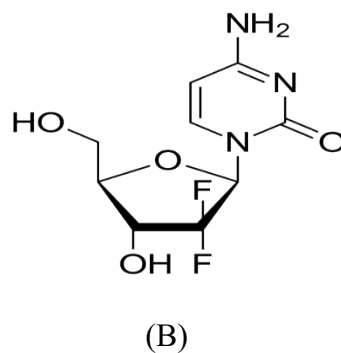
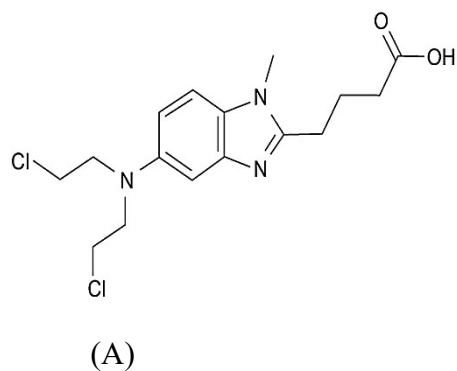


Supplementary material

❖ Chemical structures of (A) bendamustine, (B) gemcitabine and (c) vinorelbine



❖ ANOVA test on the pharmacokinetic parameters results between the single group and combined groups.

Drugs	ANOVA	PK parameters				
		$t_{1/2}$	K	Vd	Cl	AUC _{0-t}
BEN	Between groups					
	SS	0.0990	0.0881	1.68	0.3952	41.04
	df	5				
	MS	0.0198	0.0176	0.3369	0.0790	8.21
	F	12.77	12.89	3.63	1.49	1.37
	Within groups					
	SS	0.0372	0.0328	2.23	1.27	143.51
	df	24				
	MS	0.0016	0.0014	0.0929	0.0528	5.98

	Total					
	SS	0.1362	0.1209	3.91	1.66	184.54
	dF	29				
GEM	Between groups					
	SS	12.92	0.0588	36.69	7.38	26983.31
	df	7				
	MS	1.85	0.0084	5.24	1.05	3854.76
	F	75.90	58.58	16.80	53.84	59.88
	Within groups					
	SS	0.7781	0.0046	9.98	0.6264	2059.91
	df	32				
	MS	0.0243	0.00014	0.3119	0.0196	64.37
	Total					
	SS	13.69	0.0634	46.67	8.00	29043.22
	dF	39				
VIB	Between groups					
	SS	17.34	0.0166	995.86	55.87	7.93
	df	5				
	MS	3.47	0.0033	199.17	11.17	1.59
	F	73.10	64.58	138.18	157.10	126.54

	Within groups					
	SS	1.14	0.0012	34.59	1.71	0.3009
	df	24				
	MS	0.0474	0.000051	1.44	0.0711	0.0125
	Total					
	SS	18.47	0.0178	1030.46	57.57	8.23
	dF	29				

❖ Table 8: Newman–Keuls Multiple Comparison test to detect the significant differences between groups.

Drugs	ANOVA	PK parameters				
		t _{1/2}	K	Vd	Cl	AUC _{0-t}
BEN	BEN alone LC-MS/MS vs BEN alone TLC	No	No	No	No	No
	BEN alone LC-MS/MS vs BEN + GEM LC-MS/MS	No	No	No	No	No
	BEN alone LC-MS/MS vs BEN + GEM TLC	No	No	No	No	No
	BEN alone LC-MS/MS vs BEN + GEM + VIB LC-MS/MS	Yes	Yes	No	No	No
	BEN alone LC-MS/MS vs BEN + GEM + VIB TLC	Yes	Yes	No	No	No
	BEN alone TLC vs BEN + GEM LC-MS/MS	No	No	No	No	No
	BEN alone TLC vs BEN + GEM TLC	No	No	No	No	No
	BEN alone TLC vs BEN + GEM + VIB LC-MS/MS	Yes	Yes	No	No	No
	BEN alone TLC vs BEN + GEM + VIB TLC	Yes	Yes	No	No	No
	BEN + GEM LC-MS/MS vs BEN + GEM TLC	No	No	No	No	No

	BEN + GEM LC-MS/MS vs BEN + GEM + VIB LC-MS/MS	Yes	Yes	No	No	No
	BEN + GEM LC-MS/MS vs BEN + GEM + VIB TLC	Yes	Yes	No	No	No
	BEN + GEM TLC vs BEN + GEM + VIB LC-MS/MS	Yes	Yes	No	No	No
	BEN + GEM TLC vs BEN + GEM + VIB TLC	Yes	Yes	No	No	No
	BEN + GEM + VIB TLC vs BEN + GEM + VIB LC-MS/MS	No	No	No	No	No
GEM	GEM alone LC-MS/MS vs GEM alone TLC	No	No	No	No	No
	GEM alone LC-MS/MS vs GEM + BEN LC-MS/MS	No	No	No	No	No
	GEM alone LC-MS/MS vs GEM + BEN TLC	No	No	No	No	No
	GEM alone LC-MS/MS vs GEM + VIB LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	GEM alone LC-MS/MS vs GEM + VIB TLC	Yes	Yes	Yes	Yes	Yes
	GEM alone LC-MS/MS vs GEM + BEN + VIB LC-MS/MS	Yes	Yes	No	Yes	Yes
	GEM alone LC-MS/MS vs GEM + BEN +VIB TLC	Yes	Yes	No	Yes	Yes
	GEM alone TLC vs GEM + BEN LC-MS/MS	No	No	No	No	No
	GEM alone TLC vs GEM + BEN TLC	No	No	No	No	No
	GEM alone TLC vs GEM + VIB LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	GEM alone TLC vs GEM + VIB TLC	Yes	Yes	Yes	Yes	Yes
	GEM alone TLC vs GEM + BEN +VIB LC-MS/MS	Yes	Yes	No	Yes	Yes
	GEM alone TLC vs GEM + BEN + VIB TLC	Yes	Yes	No	Yes	Yes
	GEM + BEN LC-MS/MS vs GEM + BEN TLC	No	No	No	No	No
	GEM + BEN LC-MS/MS vs GEM + VIB LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	GEM + BEN LC-MS/MS vs GEM + VIB TLC	Yes	Yes	Yes	Yes	Yes
	GEM + BEN LC-MS/MS vs GEM + BEN +VIB LC-MS/MS	Yes	Yes	No	Yes	Yes
	GEM + BEN LC-MS/MS vs GEM + BEN +VIB TLC	Yes	Yes	No	Yes	Yes

	GEM + BEN TLC vs GEM + VIB LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	GEM + BEN TLC vs GEM + VIB TLC	Yes	Yes	Yes	Yes	Yes
	GEM + BEN TLC vs GEM + BEN +VIB LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	GEM + BEN TLC vs GEM + BEN +VIB TLC	Yes	Yes	Yes	Yes	Yes
	GEM + VIB LC-MS/MS vs GEM + VIB TLC	No	No	No	No	No
	GEM + VIB LC-MS/MS vs GEM + BEN +VIB LC-MS/MS	Yes	Yes	No	No	No
	GEM + VIB LC-MS/MS vs GEM + BEN +VIB TLC	Yes	Yes	No	No	No
	GEM + VIB TLC vs GEM + BEN +VIB LC-MS/MS	Yes	Yes	No	No	No
	GEM + VIB TLC vs GEM + BEN +VIB TLC	Yes	Yes	No	No	No
	GEM + BEN +VIB LC-MS/MS vs GEM + BEN +VIB TLC	No	No	No	No	No
VIB	VIB alone LC-MS/MS vs VIB alone TLC	No	No	No	No	No
	VIB alone LC-MS/MS vs VIB + GEM LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	VIB alone LC-MS/MS vs VIB + GEM TLC	Yes	Yes	Yes	Yes	Yes
	VIB alone LC-MS/MS vs VIB + BEN + GEM LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	VIB alone LC-MS/MS vs VIB + BEN + GEM TLC	Yes	Yes	Yes	Yes	Yes
	VIB alone TLC vs VIB + GEM LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	VIB alone TLC vs VIB + GEM TLC	Yes	Yes	Yes	Yes	Yes
	VIB alone TLC vs VIB + BEN + GEM LC-MS/MS	Yes	Yes	Yes	Yes	Yes
	VIB alone TLC vs VIB + BEN + GEM TLC	Yes	Yes	Yes	Yes	Yes
	VIB + GEM LC-MS/MS vs VIB + GEM TLC	No	No	No	No	No
	VIB + GEM LC-MS/MS vs VIB + BEN + GEM LC-MS/MS	No	No	Yes	No	No
	VIB + GEM LC-MS/MS vs VIB + BEN + GEM TLC	No	No	No	No	No
	VIB + GEM TLC vs VIB + BEN + GEM LC-MS/MS	No	No	Yes	Yes	No

	VIB + GEM TLC vs VIB + BEN + GEM TLC	No	No	Yes	No	No
	VIB + BEN + GEM TLC vs VIB + BEN + GEM LC-MS/MS	No	No	No	No	No