Table 2 Molecular Docking and Molecular Descriptor Analysis of the Major RPM-RBK Compositive Compounds

	RP-RB Compositive Compounds															
	Cp1		**Cp2**		**Cp3**		**Cp4**		**Cp5**		**Cp6**		**Cp7**		**Cp8**	
R.A.T.T.	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD	BE (kcal/mol)	RMSD
TNF	-10.33	1.212	-8.51	2.311	-9.98	1.921	-8.11	2.473	-9.96	1.774	-9.31	1.605	-8.01	2.398	-8.15	2.431
NOSs	-8.91	2.163	-7.51	3.063	-8.72	2.269	-7.49	3.064	-8.31	2.123	-9.25	1.664	-6.49	3.261	-7.45	3.134
IL-1β	-8.82	2.311	-8.39	2.341	-8.73	2.129	-8.53	2.311	-8.71	2.391	-8.45	2.111	-8.32	2.211	-8.19	2.362
GRO-alpha	-8.21	2.146	-7.43	3.046	-8.11	2.379	-8.87	2.228	-7.96	3.008	-8.31	2.217	-7.19	3.148	-7.29	3.066
DOP	-8.45	2.121	-8.23	2.211	-9.16	1.218	-7.59	2.91	-9.43	1.627	-8.37	2.011	-7.81	3.083	-7.81	3.018
PTGS2	-9.87	1.411	-9.27	1.511	-9.65	1.632	-6.85	3.914	-9.71	1.613	-9.38	1.494	-6.89	3.231	-7.65	3.041
PTGS1	-9.98	1.721	-9.11	1.371	-9.83	1.575	-7.39	3.053	-8.38	2.176	-8.09	2.278	-7.38	3.131	-6.97	3.171
IL-6	-9.82	1.263	-9.02	1.671	-8.81	2.163	-7.52	3.016	-8.61	2.037	-8.42	2.126	-7.29	3.213	-7.52	3.264
CCR5	-10.52	1.019	-8.02	2.228	-10.32	1.135	-8.52	2.366	-9.52	1.147	-10.02	1.201	-7.19	3.214	-7.62	3.111
CB 2	-9.06	1.847	-8.13	2.143	-8.35	2.378	-8.91	2.119	-8.96	2.041	-8.11	2.263	-7.91	2.911	-8.09	2.482
M.D.A																
Xlog P	8.02		6.09		7.5		8.32		7.72		8.6		7.37		7.89	
H-bond Donors	0		2		0		0		0		0		0		0	
H-bond Acceptos	6		4		6		2		3		1		2		2	
nrotb	23		18		22		17		18		15		15		16	
TPSA	78.92		66.76		78.92		26.3		38.83		17.07		26.3		26.3	
MW	440.62		330.5		414.58		298.51		338.53		300.91		270.46		296.5	

Cp1: Glyceryl diacetate-2-Oleate; **Cp2**: Glyceryl-2 Palmitate; **Cp3:** Hexadecanoic acid, 2,3-bis(acetyloxy)propyl ester; **Cp4**: Methyl stearate; **Cp5**: Glycidyl oleate; **Cp6**: Oleoyl chloride; **Cp7**: Hexadecanoic acid, methyl ester; **Cp8**: 9-Octadecenoic acid (Z)-, methyl ester. **TNF**: Tumor necrosis factor; **NOSs:** Nitric oxide synthase; **IL-1β** Interleukin-1 beta; **GRO-alpha**: Growth regulated alpha protein; **DOP**: Delta-type opioid receptor; **PTGS1**: Prostaglandin G/H synthase 2; **PTGS2**: Prostaglandin G/H synthase 1; **IL-6**: Interleukin-6; **CCR5**: C-C chemokine receptor type 5; **CB2**: Cannabinoid receptor 2. **XlogP**: Molecular Lipophilicity Potential; **nrotb**:Number of rotatable bond; **TPSA**: Topological Polar Surface Area; **MW**: Molecular Weight; **R.A.T.T**: Rheumatoid Arthritis Therapeutic Target; **M.D.A**: Molecular Descriptor Analysis; **BE**: Binding Energy.