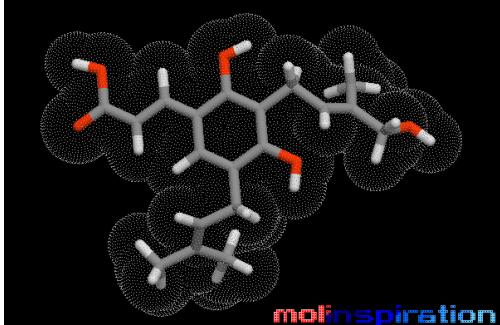
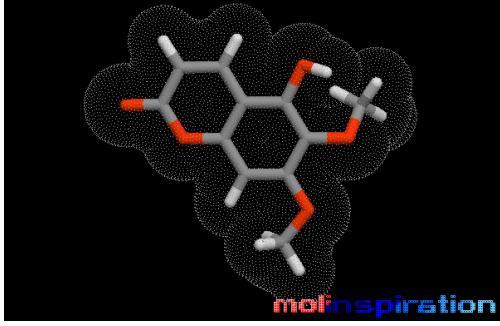
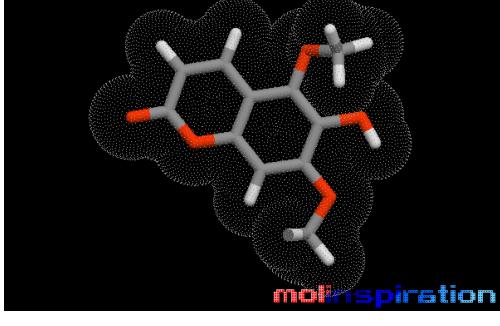
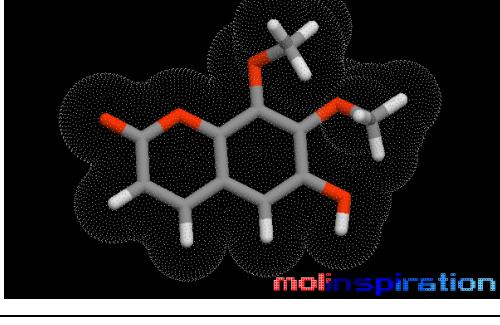
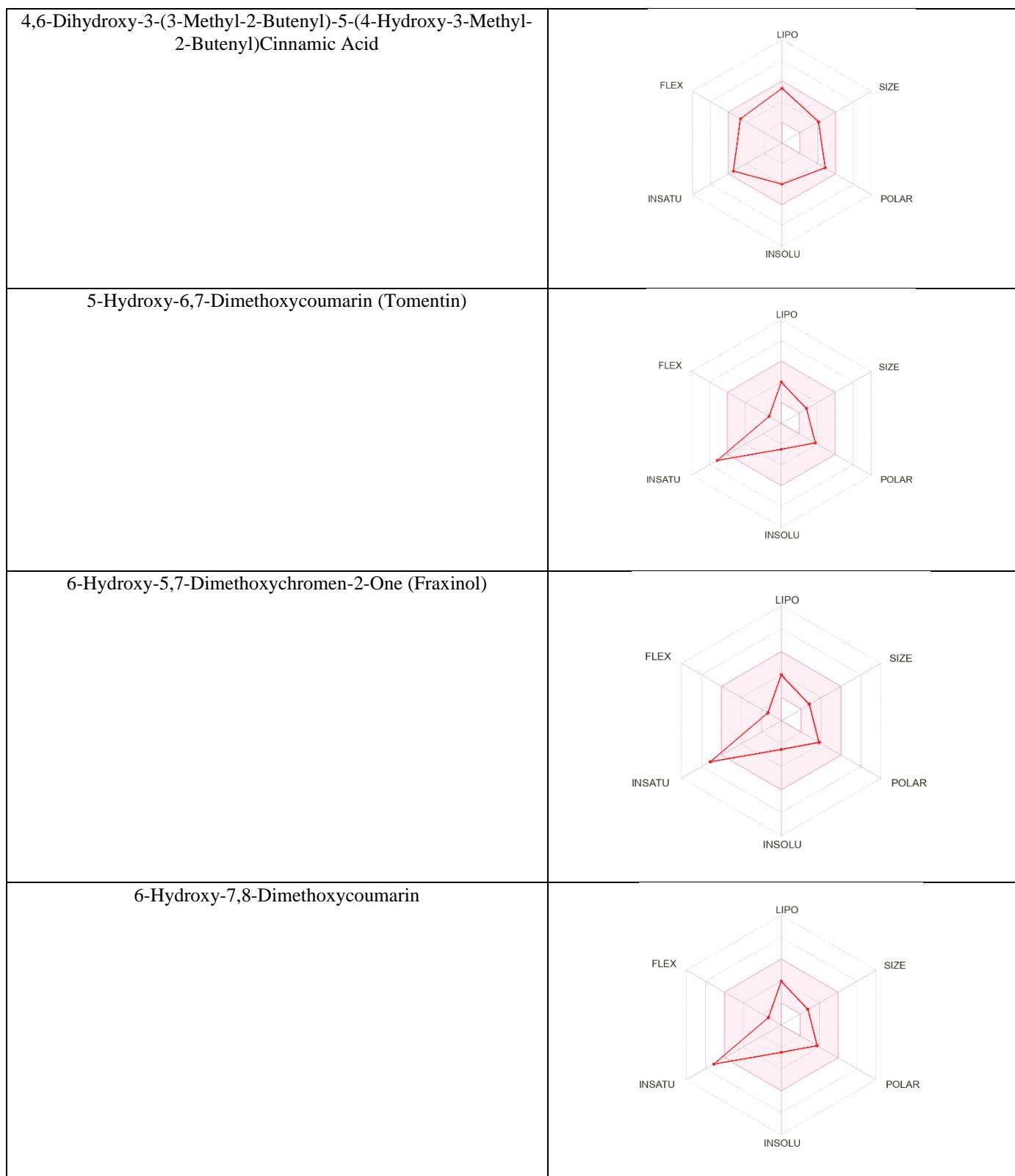


**Table S1:** 2D & 3D Structures of compounds from *Artemisia monosperma*

Compounds	3-D Structure
4,6-Dihydroxy-3-(3-Methyl-2-Butenyl)-5-(4-Hydroxy-3-Methyl-2-Butenyl)Cinnamic Acid	
5-Hydroxy-6,7-Dimethoxycoumarin (Tomentin)	
6-Hydroxy-5,7-Dimethoxychromen-2-One (Fraxinol)	
6-Hydroxy-7,8-Dimethoxycoumarin	

**Table S2:** Bioavailability Radar analysis of screened compounds using SwissADME

Compounds	Bioavailability Radar
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**Table S3:** Various 2D Ligand interactions generated by compounds of *Artemisia monosperma* with Complex of ERK2 with catechol (PDB: 4ZXT) at the catalytically active site

Ligands	2D Ligand Interactions with 4ZXT
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