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Supplementary material:

Table 1: Flavonoids details, their plant source and their interaction with DENV NS1

Phytochemical Name	Plant Name	Score	RMSD Value	Residues interacting with Ligand (H-Bonding)	Residues in Close Contact with Ligand
Deoxycalyxin A	Alpinia blepharocalyx K. Schum. (Zingiberaceae)	11.7048	1.91	Asn130, His129, Lys85, Asn76	Ser80, Thr87, Glu83, Meth89
3,5,7,3',4'-pentahydroxyflavonol-3-O-beta-D-galactopyranoside	*Vaccinium macrocarpon*	11.9174	3.00	Asn130, His129, Lys85	Ser80, Glu83
(3R)-3',8-Dihydroxyvestitol	Dalbergia odorifera	12.8042	1.44	Asn130, Ser80	Lys85, Thr87, Asn76, Glu83
Sanggenon O	Morus alba	11.6887	1.87	Asn130, His129,	Lys85, Ser80, Thr87
Epigallocatechin gallate	Camellia sinensis	12.6820	3.07	Asn130, Ly85	His129, Ser80
Chamaejasmine	Enkleia siamensis Diphysa robinioides	11.6609	1.81	Asn130	Ser80, Lys85, Asn76, His129, Glu83

Table 2: Molecular properties of flavonoids assessed through Ligand properties checking tool of MOE

Phytochemical Name	Molecular formula	Molecular weight	Log P	TPSA	Hydrogen bond donor	Hydrogen bond acceptor	Lipinski's rule of five
Deoxycalyxin A	$C_{35}H_{34}O_7$	566.640	7.329	127.450	5	7	Suitable
3,5,7,3',4'-pentahydroxyflavonol-3-O-beta-D-galactopyranoside	$C_{24}H_{26}O_{10}$	474.462	0.745	169.300	7	9	Suitable
(3R)-3',8-Dihydroxyvestitol	$C_{16}H_{16}O_6$	304.294	2.236	99.380	4	6	Suitable
Sanggenon O	$C_{40}H_{36}O_{12}$	708.716	6.562	214.440	8	12	Suitable
Epigallocatechin gallate	$C_{22}H_{18}O_{11}$	458.371	2.329	197.370	8	10	Suitable
Chamaejasmin	$C_{30}H_{22010}$	542.48968	4.677	176.980	6	10	Suitable