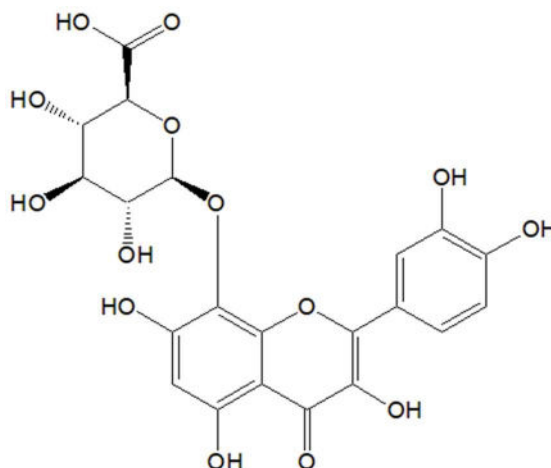


## Certificate of Analysis



<b>PRODUCT</b>	<b>Hibifolin</b>
<b>BATCH #</b>	PA-040-075-301
<b>ASSAY METHOD</b>	HPLC, <sup>1</sup> H-NMR
<b>REPORT DATE</b>	2019/10/04
<b>CHEMICAL NAME</b>	(2S,3S,4S,5R,6S)-6-[2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxy-4-oxochromen-8-yl]oxy-3,4,5-trihydroxyoxane-2-carboxylic acid
<b>OTHER NAMES</b>	beta-D-Glucopyranosiduronic acid, 2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxy-4-oxo-4H-1-benzopyran-8-yl
<b>CHEMICAL FORMULA</b>	C <sub>21</sub> H <sub>18</sub> O <sub>14</sub>
<b>MOLECULAR WEIGHT</b>	494.4 g/mol
<b>CAS REG. #</b>	55366-56-8
<b>STORAGE</b>	<-18 degrees C; dark
<b>EXPIRATION DATE</b>	2021-10-04
<b>NOTES</b>	Crystallized from MeOH

### Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	245 nm	> 95%	97.78%
<sup>1</sup> H-NMR		Conforms	Conforms
Residual Solvents		< 0.2%	
Appearance		Yellow powder	
Mass (mg)		5.056 g	

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 October 4, 2019

