Drug Discovery and Development Center

Office of Advanced Science and Technology, Thammasat University (Rangsit Campus)

99 Moo 18 Phahonyothin Road Khlong Nueng, Khlong Luang, Pathum Thani 12121, Thailand

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Test Report

December 02, 2022

Sample	*Eurycoma longifolia* extract
Appearance	Powder
Constituents	
Manufacturer	
Importer/Distributor	
Reg. No.	
Lot./Batch No.	22110901
Mfg. Date	
EXP Date	
Purpose of analysis	Determination of Eurycomanone
Method of analysis	HPLC
	In-house method

Conclusion

Tested sample contains	Eurycomanone	1.93 ± 0.12	% w/w

(Ngampuk Tayana, M.Sc.)	(Sumet Kongkiatpaiboon, Ph.D.)	(Prof. Kesara Na Bangchang, Ph.D.)
Analyst	Approval	Director

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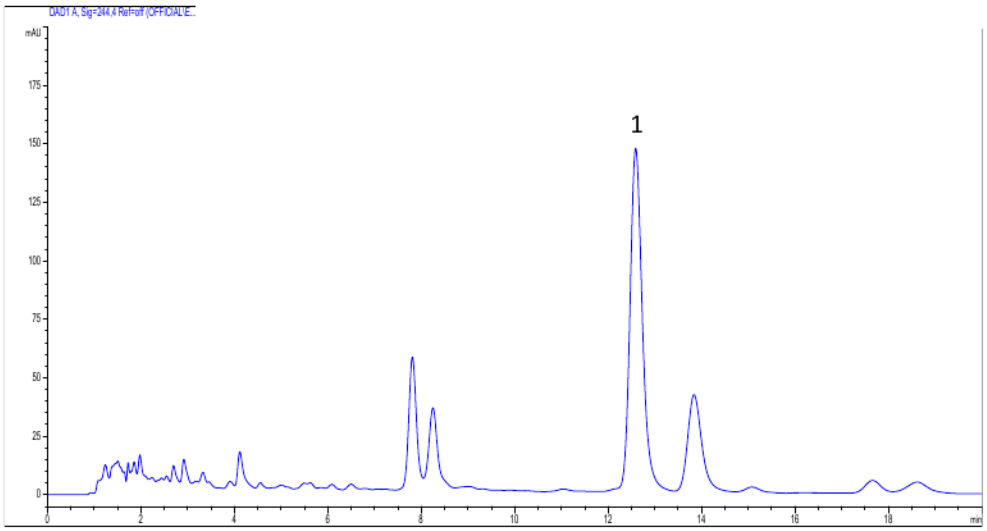

Figure 1: HPLC chromatogram of ***Eurycoma longifolia*** **extract** lot no. 22110901 (Conc. 1.0 mg/mL)

HPLC condition. Column-Hypersil BDS C-18 (100 x 4.6 mm i.d., 3µm), mobile phase: (A) 0.5% acetic acid in water and (B) methanol, isocratic elution with 8% B in A to 92% B in 20 min and 100% B for 10 min, flow rate 1 mL/min, detection: UV 244 nm

Peak identification: 1...t_R 12.594 min = Eurycomanone

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