

0070 - Hoodia for P57 by HPLC

Botanical Name: *Hoodia gordonii*

Common Names: Hoodia, Xhoba, Queen of the Namib, African Hats

Plant Description:

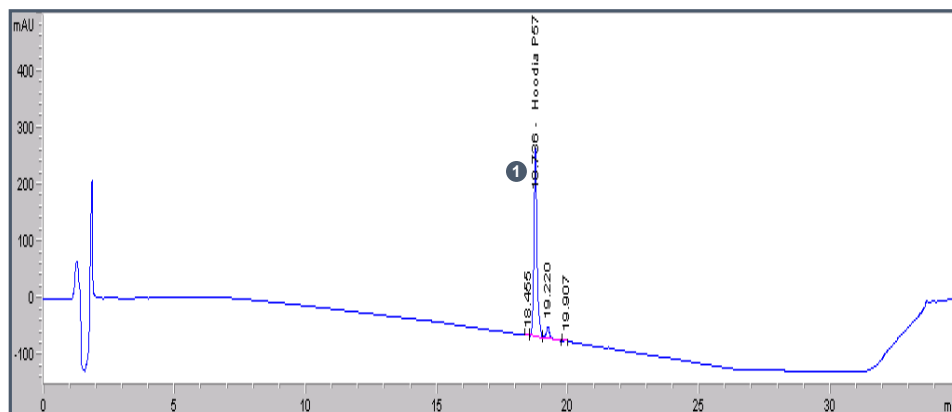
Hoodia gordonii is a leafless succulent plant native to Southern Africa, particularly South Africa and Namibia. It has a characteristic odor of rotten meat which leads to population and pollination mainly by flies. Its appearance resembles that of a cactus, bearing thorny fingers and large brown spines. Pure Hoodia grows very well in the rocky red soil of the Kalahari Desert, but has been able to be grown on farms though these species may contain less of the marker compound p57.



Therapeutic Use Overview:

Hoodia gordonii has been used by indigenous Southern African people throughout history. Typically used to treat indigestion, the plant is cut about the size of a cucumber and chewed for a couple of hours. This action releases the marker compound p57 which is believed to suppress the appetite as well as thirst cravings and decrease gastric acid production.

Representative HPLC Analysis: Mixed Standard Solution

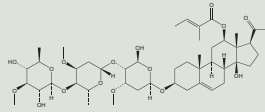


Analytes:

- 1 Hoodia P57

Instrument Parameters		
Column:	Phenomenex Luna C18(2) 150 x 3.0 mm, 3u	
Detection:	UV-Vis @225 nm	
Flow Rate:	0.5 mL/min	
Injection Volume:	10 µL	
Temperature:	30 °C	
Mobile Phase A:	0.1% Formic Acid in Water	
Mobile Phase B:	Acetonitrile	
Gradient Program		
Time (min)	%A	%B
0.0	70	30
3.0	70	30
23.0	5	95
28.0	5	30
30.0	70	95
35.0	70	30

Phytochemical Reference Standards

Product Description And Details	Product ID	Qty
 <p>HOODIA P57 Grade: P CAS#: [384329-61-7] Chemical Formula: C₄₇H₇₄O₁₅ FW: 879.08</p>	ASB-00016001-001	1mg
	ASB-00016001-005	5mg

Reference Standards Kits

Product Name	Contents	Product ID	Qty
HOODIA P57 HPLC ANALYSIS KIT	Hoodia P57 HPLC Method of Analysis LUNA 3 μ C18(2) 150x3.0 P57(P)	KIT-00008276-0HK	1 x 5mg + C

Botanical Reference Materials

Product Description	Grade	Product ID	Qty
HOODIA (HOODIA GORDONII) AERIAL PARTS BRM	BRM	ASB-00031081-005	5g
		ASB-00031081-101	1kg