

AfroPhyto

Discover plant phytochemicals
Search out comprehensive database of medicinal plants and their boactive compound

[Search](#)

[Advance search](#)

[Curated database](#)

[Scientific data](#)


Ginger Plant
Zingiber officinale

[View Phytochemical](#)


Mango Plant
Magnifera indica

[View Phytochemical](#)


Garlic Plant
Allium sativum

[View Phytochemical](#)


Aloe Vera Plant
Aloe barbadensis

[View Phytochemical](#)


Tumeric Plant
Curcuma longa

[View Phytochemical](#)


Bitter leaf Plant
Vernonia amygdalina

[View Phytochemical](#)


Saint leaf Plant
Ocimum gratissimum

[View Phytochemical](#)


Fluted Pumpkin Plant
Telfairia occidentalis

[View Phytochemical](#)


Guava Plant
Psidium guajava

[View Phytochemical](#)


Neem Plant
Azadirachta indica

[View Phytochemical](#)


Bitter Kola Plant
Garcinia kola

[View Phytochemical](#)


Moringa Plant
Moringa oleifera

[View Phytochemical](#)

< 1 2 3 >

About

A curated database of phytochemicals found in medicinal plants. Afrophyto helps researchers explore the chemical composition and biological activities using verified data

Quick links

[Browse by plants](#)
[Browse by compounds](#)
[Terms of use](#)
[Privacy policy](#)
[Disclaimer](#)
[Data licensing](#)

Follow Us



[← Back to search](#)

Curcuma longa

Tumeric

Family: Zingiberaceae

A flowering plant of the ginger family, native to the Indian subcontinent and Southeast Asia, widely used as a spice and for its medicinal properties

Phytochemicals Identified

Bioactive compounds found in *Zingiber officinale* with their concentration and biological activities

Compound Name	Class	Plant Part	Biological Activity
Curcumin	Curcumin	Rhizome	Anti-inflammatory, Antioxidant
Demethoxycurcumin	Demethoxycurcumin	Rhizome	Antioxidant, Anticancer
Bisdemethoxycurcumin	Bisdemethoxycurcumin	Rhizome	Anti-inflammatory

Scientific literature

Published research documenting phytochemical content and analysis

[1] Curcumin: a review of its' effects on human health

Hewlings, S. J., Kalman, D. S.

Foods (2017), 6(10), 92

DOI: 10.3390/foods6100092

[2] Curcumin, a component of golden spice: from bedside to bench and back

Prasad, S., Gupta, S. C., Tyagi, A. K., Aggarwal, B. B.

Biotechnology Advances (2014), 32(6), pp. 1053–1064

DOI: 10.1016/j.biotechadv.2014.04.004

[3] Curcumin content and antioxidant properties of tumeric varieties

Amalraj. A., Pius, A., Gopi, S., Gopi, S,

Journal of Traditional and Complementary Medicine (2017), 7(2), pp. 205-233

DOI: 10.1016/j.jtcme.2016.05.05

[4] Protective effects of curcumin against oxidative stress-induced damage in the liver

Farzaei, M. H., Zobeiri, M., Parvizi, F., El-Senduny, F. F.

Journal of Traditional and Complementary Medicine (2017), 7(2), pp. 205-233

DOI: 10.1016/j.jtcme.2016.05.05

[5] Therapeutic roles of curcumin: lessons learned from clinical trials

Gupta, S. C., Patchva, S., Aggarwal, B. B.

AAPS Journal (2013), 15(1), pp. 195-218

DOI: 10.1208/s12248-012-9432-8

[6] Chemical composition and product quality control of turmeric (*Curcuma longa L.*)

Li, S., Yuan, W., Deng, G., Wang, P., Yang, P., Aggarwal, B. B.

Pharmaceutical Crops (2011), 2, pp. 28–54

DOI: 10.2174/2210290601102010028

About

A curated database of phytochemicals found in medicinal plants. AfroPhyto helps researchers explore the chemical composition and biological activities using verified data

Quick links

- [Browse by plants](#)
- [Browse by compounds](#)
- [Terms of use](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Data licensing](#)

Follow Us



AfroPhyto

[Advance search](#)[Curated database](#)[Scientific data](#)

Search result: Moringa(Monriga oleifera)



Moringa oleifera

Moringa • Family: Moringaceae

[4 Phytochemicals](#)[3 Literature References](#)[View Details](#)

Zingiber officinale

Ginger • Family: Zingiberaceae

[7 Phytochemicals](#)[5 Literature References](#)[View Details](#)

Allium sativum

Garlic • Family: Amaryllidaceae

[9 Phytochemicals](#)[7 Literature References](#)[View Details](#)

Curcuma longa

Tumeric • Family: Zingiberaceae

[10 Phytochemicals](#)[8 Literature References](#)[View Details](#)