

Species Datasheet

Datasheet No. A-140.027.001
(Family. Genus. Species)

DBT- 1

1. Taxon:

Species: *Dendrolobium triangulare* (Retz.) Schindl.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Dendrolobium triangulare* subsp. *triangulare*, *Desmodium australe* Hassk., *D. cephalotes* (Roxb.) Wight & Arn., *D. cephalotes* (Roxb.) Benth., *D. congestum* Wight & Arn., *D. lineatum* Span., *D. paleaceum* sensu auct., *D. recurvatum* sensu Benth., *D. sericatum* C. Presl, *D. triangulare* (Retz.) Merr., *D. umbellatum* Moritz., *Hedysarum cephalotes* Roxb., *H. triangulare* Retz., *H. umbellatum* Roxb., *Meibomia cephalotes* (Roxb.) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Dendrolobium* (Wight & Arn.) Benth.
- Species: *D. triangulare* (Retz.) Schindl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Dendrolobium* (Wight & Arn.) Benth.
Species: *D. triangulare* (Retz.) Schindl.

4. Distribution:

Global: Asia and Indian Ocean

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Dadra-Nagar-Haveli, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh and West Bengal

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Wild

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Shrub; Grassy riverbanks, thickets on mountain slopes

8. **Life Form:** Chamaephytes

9. **Economic Importance:** The roots are used medicinally to strengthen bones and build muscle.

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s): $x=11^1$

13. Zygotic chromosome number(s): $2n= 22^{1,2,3}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid ^{1,2,3}

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:¹

Karyotype Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetrySymmetrical

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level⁴

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis;
Pollen stainability; Translocation setc):**