

Species Datasheet

Datasheet No. A-061.037.002
(family.genus.species)

DBT-1

1. Taxon:

Species: *Conchidium filiforme* (Wight) Rauschert

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dendrobium dalzellii Hook. ex Dalzell

Dendrobium filiforme Wight

Dendrobium fimbriatum Dalzell [Invalid]

Eriacnordii M.R. Almeida [Invalid]

Eriadalzellii (Hook. ex Dalzell) Lindl.

Eriadalzellii var. *fimbriata* Hook.f.

Eriafiliformis (Wight) Rehb.f.

Pinaliamicrochilos Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Podochileae
- Genus: *Conchidium* Griff.
- Species: *Conchidium filiforme* (Wight) Rauschert

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Genus: *Conchidium* Griff.
Species: *Conchidium filiforme* (Wight) Rauschert

4. Distribution:

Global: India (Western Ghats)

India: Kerala, District/s: Idukki, Palakkad, Kottayam, Wayanad, Pathanamthitta, Kannur

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Pseudobulb epiphyte

8.Life Form:Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=12^{1, 2}, 21^7$

13. Zygotic chromosome number(s): $2n=24+5B^1, 24+10B^2, 24+5B^1, 24+10B^2, 42^7$

14. Gametic chromosome number(s): $n=$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):5-10B's observed at mitosis^{1, 2}

Image file

16.Ploidy level: Diploid^{1, 2, 7}

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

KaryotypeSubmedian, subterminal¹

Chromosome size Small¹

NOR chromosome(s)

Degree of asymmetryFairly asymmetrical¹

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 level

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