

Species Datasheet

Datasheet No. A-061.037.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Conchidium microchilos* (Dalzell) Rauschert

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dendrobium microchilos Dalzell

Eriamicrochilos (Dalzell) Lindl.

Eriatiagii Manilal, C.S.Kumar & J.J. Wood

3. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

4. Distribution:

Global: India

India: South India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Miniature sized pseudobulbous epiphyte

8.Life Form: Phanerophyte

9.Economic Importance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=12^{1, 2, 9}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=24+9B^1, 24+5B^{2, 9}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):5-9 B's

Image file

16.Ploidy level:Diploid^{1, 2, 9}

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 sizeSmall¹

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):