

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.013.058
(family.genus.species)

DBT- 1

1.Taxon:

Species: *Bulbophyllumodoratissimum*(Sm.) Lindl. ex Wall.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Bulbophyllumcongestum* Rolfe, *Bulbophyllumhyacinthiodorum*W.W.Sm., *Bulbophyllumodoratissimum* (Sm.) Lindl., *Bulbophyllumtrichocephalum* (Schltr.) Tang &F.T.Wang, *Bulbophyllumtrichocephalum* var. *capitatum*Lucksom, *Bulbophyllumtrichocephalum* var. *wallongense*Agrawala, Sabap. &H.J.Chowdhery, *Cirrhopetalumtrichocephalum*Schltr.,*Phyllorchisodoratissima* (Sm.) Kuntze, *Phyllorkisodoratissima* (Sm.) Kuntze, *Stelis caudate*D.Don, *Stelisodoratissima* Sm., *Tribrachiaodoratissima* (Sm.) Lindl.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxideae
- Subtribe: Dendrobiinae
- Genus: *Bulbophyllum*Thouars
- Species:*Bulbophyllumodoratissimum* (Sm.) Lindl. ex Wall.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Bulbophyllum*Thouars
Species:*Bulbophyllumodoratissimum* (Sm.)
Lindl. ex Wall.

4.Distribution:

Global:India, Nepal, Bhutan, Myanmar, Thailand, Laos, Vietnam, China, Indo-China

India: Assam, Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal, Andaman & Nicobar Islands

5.Indigenous/Exotic/Endemic;Cultivated/Wild:exotic, cultivated

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte, also as lithophytes on humus covered rocks

8.Life Form: Phanerophytes

9.Economic Importance:Cultivated ornamental, medicinal, whole plant used to treat tuberculosis and fracture.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{5, 23, 29}$

13. Zygotic chromosome number(s): $2n=38^5$

14. Gametic chromosome number(s): $n=19^{23, 29}$

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

Image file

16.Ploidy level:Diploid^{5, 23, 29}

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:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

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 19 IIs ²³

Image file

27. Chromosome distribution at anaphase I: 19:19 segregation at A-I²³

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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