

# Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.013.095  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Bulbophyllum wallichii* Rchb.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Bulbophyllum confusum* (Garay, Hamer & Siegerist) Sieder & Kiehn [Invalid],  
*Bulbophyllum refractoides* Seidenf., *Phyllorchis wallichii* (Lindl.) Kuntze, *Tripudianthes wallichii* (Rchb.f.) Szlach. & Kras

## 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: *Bulbophyllum wallichii* Rchb.f.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledonae  
Series: Microspermae  
Ordo: Orchideae  
Tribus: Epidendreae  
Subtribus: Dendrobieae  
Genus: *Bulbophyllum* Thouars  
Species: *Bulbophyllum wallichii* Rchb.f.

## 4. Distribution:

**Global:** Yunnan Province of China, Assam India, the eastern Himalayas, Bhutan, Sikkim, Nepal, Myanmar, Thailand and Vietnam

**India:** Assam, Sikkim, Arunachal Pradesh, Manipur, Meghalaya, Nagaland

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

## 6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Epiphyte; on trees in forests at elevations around 1000 to 2500 m

8. **Life Form:** Phanerophytes

9. **Economic Importance:** Ornamental

10. **Probable Progenitor of:**

11. **DNA**

C-value      Methodology

**12. Basic chromosome number(s):**  $x=19^1$

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

**14. Gametic chromosome number(s):**  $n=19^1$

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

Image file

**16. Ploidy level:** Diploid<sup>1</sup>

Image file

**17. Agametoploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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 II<sup>1</sup> (Arora CM 1971 Tax)

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; Translocation etc.):**