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Taxus The Genus Taxus Medicinal

The Pacific yew (*Taxus brevifolia*), native to the Pacific Northwest of North America, and the Canada yew (*Taxus canadensis*) were the initial sources of paclitaxel or Taxol, a chemotherapeutic drug used in breast and lung cancer treatment and, more recently, in the production of the Taxus drug eluting stent by Boston Scientific.

Taxus - Wikipedia

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Taxus: The Genus Taxus (Medicinal and Aromatic Plants ...

Taxus: The Genus Taxus (Medicinal and Aromatic Plants - Industrial Profiles Book 32) - Kindle edition by Kuo-Hsiung Lee, Itokawa, Hideji, Lee, Kuo-Hsiung. Download it once and read it on your Kindle device, PC, phones or tablets.

Taxus: The Genus Taxus (Medicinal and Aromatic Plants ...

Taxus, as described in 1753 by Carolus Linnæus (1707 – 1778), in *Species Plantarum* 2, is a genus small coniferous trees or shrubs in the yew family, Taxaceae. All of the yews are very closely related to each other, and some botanists treat them all as subspecies or varieties of just one widespread species; under this treatment, the species name used is *Taxus baccata*, the first yew described scientifically.

Taxus / yew | Conifer Genus | American Conifer Society

The taxonomy of *Taxus* has always been and remains challenging (death may be certain – *Taxus* is anything but), and recently renewed medicinal interest in the genus (see below) has brought forth a number of new species and systematic interpretations.

Taxus - Trees and Shrubs Online

Taxus is a botanical source for the anticancer drug Taxol (paclitaxel), first reported in 1971 as a result of bioassay-guided fractionation of active extracts from stem bark samples of *T. brevifolia*.

Taxus - an overview | ScienceDirect Topics

In addition, *Taxus* species are very tolerant of pollution and thus are perfect for the urban garden. Outside of the garden, *Taxus* species are also well known for their medicinal compounds (Taxol) which are used to treat cancer. Most parts of the plant are very toxic if eaten, but a few animals are unaffected.

Taxus | Yew | Plant Delights Nursery

The genus *Taxus* is in the family Taxaceae in the major group Gymnosperms (Conifers, cycads and allies). Statistics are at the end of the page.

Taxus — The Plant List

Docetaxel is a semisynthetic taxane derived from extracts of the European yew tree *Taxus baccata*. Docetaxel is similar to paclitaxel in its mechanism of action, adverse reactions, and resistance mechanisms. However, docetaxel is more water soluble than paclitaxel, and it has a slightly higher affinity than paclitaxel for that site.

Taxus baccata - an overview | ScienceDirect Topics

The yew genus is *Taxus*. That comes from either *taxic* or *toxic* which in Greek means “that in which arrows are dipped.” Interestingly the Greek word for bow is *toxon* and for the Yew *taxos*. One can see and hear the connection of these words for over 4,000 years.

Yew - Eat The Weeds and other things, too

taxus the genus taxus medicinal and aromatic plants industrial profiles By Barbara Cartland FILE ID 1671c1 Freemium Media Library and spices for medicinal and aromatic purposes all these commodities are traded world wide a dealers

Taxus The Genus Taxus Medicinal And Aromatic Plants ...

Taxus wallichiana *Taxus* has always been one of the more "difficult" conifer genera in the sense that, to a first approximation, they all look the same. They were all treated by Pilger (1903) as subspecies of *T. baccata*.

Taxus (yew) description - Gymnosperm

Taxus baccata, although native to Britain and sometimes referred to as the English yew, is also found across much of Europe, western Asia and North Africa. The generic name *Taxus* is reflected in the name of the poisonous taxanes found in the tree. Some botanists did not consider yew to be a true conifer, since it does not bear its seeds in a cone.

Taxus baccata L. | Plants of the World Online | Kew Science

Taxus baccata is a species of evergreen tree in the conifer family, native to western, central and southern Europe, northwest Africa, northern Iran and southwest Asia. It is the tree originally known as yew, though with other related trees becoming known, it may now be known as common yew, English yew, or European yew.

Taxus baccata - Wikipedia

Taxus baccata: the genus *taxus*. [Hideji Itokawa; Kuo-Hsiung Lee:] -- Taxol, originally derived from the North American yew tree in , is well-know worldwide as a powerful anticancer agent. Mechanistically, it has a unique microtubule stabilizing activity, and was. *Taxus baccata* is an evergreen Tree growing to 15 m (49ft) by 10 m (32ft) at a slow rate.

Ebook Taxus Download PDF EPUB FB2

A cladistic analysis of the medicinal plant *Taxus*, using the sequences of one chloroplast (trnS-trnQ spacer) and three nuclear taxadiene synthase (TS), 10-deacetylbaaccatin III-10β-O-acetyltransferase (DBAT), and 18S rDNA) molecular markers, was carried out

Phylogenetic Relationships of the Genus Taxus Inferred ...

Taxus baccata has played a major role in several religious traditions. This may have occurred because the tree is poisonous, valued for a variety of medicinal purposes, and symbolic of eternal life due to its "evergreen-ness," exceptional longevity, and the wood's resistance to decay.

Taxus baccata / English yew | Conifer Species | American ...

Trees of the genus *Taxus* are highly valuable medicinal plants with multiple pharmacological effects on various cancer treatments. Paclitaxel from *Taxus* trees is an efficient and widely used anticancer drug, however, the accumulation of taxoids and other active ingredients can vary greatly among *Taxus* species.

Comparative metabolomic analysis reveals the variations in ...

(MeSH) Genus of coniferous yew trees or shrubs, several species of which have medicinal uses. Notable is the Pacific yew, *Taxus brevifolia*, which is used to make the anti-neoplastic drug taxol (PACLITAXEL).

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