

Matchmaker: Mushrooms of the Pacific Northwest

Below are written descriptions and images of fruiting bodies, mushrooms, of the fungal species in this ectomycorrhizal association. The information is from the web version of the Matchmaker: Mushrooms of the Pacific Northwest (MMPNW) created by the Canadian Forest Service and based on the Windows MMPNW version 1.3 by Ian and Eli Gibson.

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LATIN NAME(S) *Entoloma rhodopolium* (Fr.) Kummer group Arora

ENGLISH NAME(S) rosy *Entoloma*

NOTES Section Rhodopolia; features include grayish to grayish-brown to yellowish-gray cap, adnate or notched gills, fleshy stem, and pinkish spores; various forms of *rhodopolium* can be differentiated, for instance Largent differentiates the following: f

CAP 3-12(15)cm, convex or broadly umbonate becoming flat or slightly depressed, margin often wavy or splitting when old; gray to grayish-brown to yellowish-gray, usually paler as it dries; smooth, not viscid or only slightly so, (Arora), 2.5-8.2cm, broa

FLESH firm; white, (Arora), 0.25-0.6cm, when moist and water-soaked colored as cap, when faded pallid except directly beneath the surface, (Largent)

GILLS adnate or notched, fairly close to rather well-spaced; whitish or tinged cap color, presumably becoming pinkish, (Arora), adnexed to adnate, indistinctly sinuate, close or subdistant, narrow or between narrow and moderately broad, 0.2-0.8cm; white, edge white; edge smooth, (Largent)

STEM 4-13cm x 0.5-1.5(2)cm, fleshy, equal or tapered below, dry, white or tinged gray, (Arora), 5.0-12.0cm x 0.5-1.2cm, typically enlarged at base 0.7-1.5cm, rarely ventricose (wider in middle), stuffed then hollow and fragile, splitting longitudinally with ease, round (but may be flattened at least in some forms); off-white to somewhat brownish in button state and when covered with leaves, when exposed and older off-white to whitish with a brownish tinge; very slightly longitudinally striate, base often with moderate to abundant mycelium and often but not always with distinct rhizoid-like hyphae, (Largent)

VEIL none

ODOR mild to slightly farinaceous (Arora), faintly farinaceous for forma *rhodopolium* (not at all nitrous or bleachlike), indistinct to a bit pungent for forma 8700, suggestively farinaceous for forma 9067, farinaceous (particularly when squashed) for forma 9107, faintly farinaceous when crushed for forma 9278, grassy for forma 8954, (Largent)

TASTE faintly farinaceous for forma *rhodopolium*, indistinct or suggestively farinaceous for forma 8700, weakly farinaceous for forma 9107, farinaceous for forma 9278 and 9067, grassy for forma 8954, (Largent)

EDIBILITY poisonous, causing vomiting, diarrhea, and abdominal cramps that may require hospitalization, (Arora)

HABITAT solitary, scattered or in groups or clusters on ground in woods, mainly hardwoods, (Arora); scattered to gregarious to nearly cespitose (tufted) in leaf humus near or under red alder, (see NOTES for other forms), (Largent)

SPORE DEPOSIT pinkish-salmon to deep flesh-color (Arora)

MICROSCOPIC spores 8-11 x 7-9 microns, nearly round but angular, smooth, inamyloid, (Arora); spores 6.5-11.0 x 5.6-9.3 microns, 5-6-sided, distinctly angular; basidia 4-spored, 36.6-53.8 x 7.9-12.7 microns, easily separated; pleurocystidia and cheilocystidia absent; clamps present on all parts; pigmentation more or less colorless to indistinctly cytoplasmic, minutely incrustated on hyphae of pileipellis and cap trama, however incrustations very difficult to see, (Largent)

NAME ORIGIN *rhodopolium* means "shining pink"

SIMILAR Nolaneas but Tricholoma like stature (Nolaneas slender) and different color; nidorosum and speculum separated by their light colored cap and their odor; sericatum is more fleshy and has a medium brown to dark brown, obscurely umbonate cap which is translucent-striate only on margin, thicker cap flesh which is typically 0.6-0.9cm thick, and a more clubshaped stem 0.9-2.0cm wide at base, distinctly nitrous odor when first picked, and distinct incrustations in pileipellis

SOURCES Largent*, Arora, Schalkwijk-Barendsen*, Courtecuisse*

FAMILY Entolomataceae of Order Agaricales