

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN

SINECATECHINS

PRONUNCIATION

sin" e kat' e kins

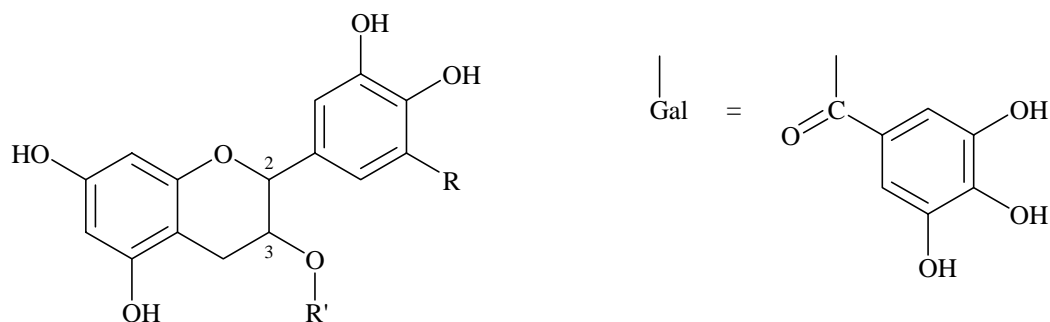
THERAPEUTIC CLAIM

Treatment of external genital and perianal warts

CHEMICAL NAMES

1. Tea (*Camellia sinensis*), ext
2. Major chemical constituents are (-)-Epicatechin, (-)-Epigallocatechin with their corresponding 3-gallate esters, and their corresponding epimers.

STRUCTURAL FORMULA



R	R'	Stereochemistry			MF	MW	Common Name	Abbrev.
		Rel.	Abs.	Rot.				
H	H	<i>cis</i>	2 <i>R</i> ,3 <i>R</i>	(-)	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	290.3	(-)-Epicatechin	EC
H	Gal	<i>cis</i>	2 <i>R</i> ,3 <i>R</i>	(-)	C <sub>22</sub> H <sub>18</sub> O <sub>10</sub>	442.4	(-)-Epicatechin Gallate	ECg
OH	H	<i>cis</i>	2 <i>R</i> ,3 <i>R</i>	(-)	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>	306.3	(-)-Epigallocatechin	EGC
OH	Gal	<i>cis</i>	2 <i>R</i> ,3 <i>R</i>	(-)	C <sub>22</sub> H <sub>18</sub> O <sub>11</sub>	458.4	(-)-Epigallocatechin Gallate	EGCg
OH	H	<i>trans</i>	2 <i>R</i> ,3 <i>S</i> 2 <i>S</i> ,3 <i>R</i>	(+) (-)	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>	306.3	(+)-Gallocatechin (-)-Gallocatechin	GC
OH	Gal	<i>trans</i>	2 <i>S</i> ,3 <i>R</i>	(-)	C <sub>22</sub> H <sub>18</sub> O <sub>11</sub>	458.4	(-)-Gallocatechin Gallate	GCg
H	H	<i>trans</i>	2 <i>R</i> ,3 <i>S</i> 2 <i>S</i> ,3 <i>R</i>	(+) (-)	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	290.3	(+)-Catechin (-)-Catechin	C
H	Gal	<i>trans</i>	2 <i>S</i> ,3 <i>R</i>	(-)	C <sub>22</sub> H <sub>18</sub> O <sub>10</sub>	442.4	(-)-Catechin Gallate	Cg

Nomenclature Statement  
SINECATECHINS  
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TRADEMARK

Polyphenon® E

MANUFACTURER

Mitsui Norin Co., Ltd.

CAS REGISTRY NUMBER

188265-33-0