

633-65-8 Berberine hydrochloride



Description

An isoquinoline alkaloid shown to have a chemopreventive property against colon tumor formation by inhibiting the enzyme cyclooxygenase-2 (cox-2) which is abundantly expressed in colon cancer cells. Also inhibits Activator Protein 1 (AP-1), a transcription factor that plays a critical role in inflammation and carcinogenesis. Treatment with berberine potentially results in the reduced accumulation of chemotherapeutic drugs.

Properties

Appearance & Physical yellow crystalline powder

State:

Density: 1.654g/cm³

Melting Point: 200°C

Stability: Stable under normal temperatures and pressures.

Storage Condition: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from light.

Safety Info

RTECS: DR9866400

Hazard Class: 6.1(b)

Safety Statements: S24/25

HS Code: 3003409000

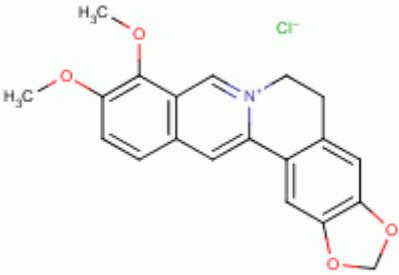
Packing Group: III

WGK Germany: 2

RIDADR: UN 1544

Risk Statements: R20/21/22

Hazard Codes: Xn

product Name	Berberine hydrochloride / Berberine Hcl
Synonyms	Berberine chloride; Berberberberine hydrochloride n-hydrate; ine HCl; Berberine hcl; 1,3-benzodioxolo[5,6-a]benzo[g]quinolizinium, 5,6-dihydro-9,10-dimethoxy-, hydrochloride (1:1)
Molecular Formula	C ₂₀ H ₁₉ ClNO ₄
Molecular Weight	372.8216
InChI	InChI=1/C20H18NO4.ClH/c1-22-17-4-3-12-7-16-14-9-19-18(24-11-25-19) 8-13(14)5-6-21(16)10-15(12)20(17)23-2;/h3-4,7-10H,5-6,11H2,1-2H3;1H/ q+1;
CAS Registry Number	633-65-8
EINECS	211-195-9
Molecular Structure	
Melting point	200°C
Water solubility	SOLUBLE IN COLD WATER
Hazard Symbols	
Risk Codes	
Safety Description	S24/25;;