

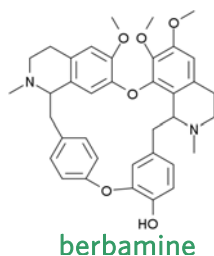
Berberine Derivatives for the Treatment of Cancer



DESCRIPTION

Berberine is a natural product derived from the plant, *Berberis vulgaris*, which has been used extensively in Asia and Europe for the treatment of various ailments. Berberine is known to possess anticancer properties. Despite the widespread use of berberine in traditional plant medicines, only a handful of derivatives have been reported.

This technology describes the synthesis of novel berberine derivatives and production of pharmaceutical formulations of such derivatives for the purpose of treating cancer. Several of these novel berberine derivatives exhibit significantly greater potency in killing a variety of cancer cells compared to berberine. Importantly, this high potency is accompanied by very low toxicity.



KEY ASPECTS

- *Berberis vulgaris* extracts have been used safely for centuries to treat a wide array of ailments
- Berberine is a 100% natural product known to possess anticancer properties
- Our novel berberine derivatives are highly potent cancer-killing compounds with minimal toxicity
- Our synthesis method for berberine derivatives reliably produces robust amounts of material

INTELLECTUAL PROPERTY

Title	US Patent Application	Date Filed
Berberine Derivatives	12/783,535	5/19/2010

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