



New Natural Product-Based Compounds Affect Tropical Diseases Causing Parasites

SOLUTION AND ITS BENEFITS

- Environmentally friendly product
- Easy to produce
- Can potentially replace the current drugs with severe side effects
- Large amount of birch bark raw material is available as side product for wood industry (saw mills, pulp and paper industry)

COMPETITIVE ADVANTAGE

- Cost efficient
- Raw material is environmentally friendly 100% natural product

TECHNICAL DESCRIPTION

- There is an urgent need to develop feasible drug agents for tropical diseases such as Leishmania protozoa that cause leishmaniasis
- New drugs are also needed to replace the old ones for resistance reasons. Betulin is the principle extractive substance of the birch bark, and it can be extracted from the outer bark of white-barked birches in amounts up to 40% of dry weight.
- Betulin is a hydrophobic, non-toxic and versatile bioactive compound which can be used as raw material to produce new antiprotozoal agents

INTELLECTUAL PROPERTY

Patent pending (international)

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VTT promotes the realisation of innovative solutions and new businesses by foreseeing the future needs of its customers already in strategic research.

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Contact

Juhani Pesälä
Business Development Manager
Tel. +358 20 722 5679
GSM: +358 40 522 7179
Email: juhani.pesala@vtt.fi
P.O. BOX 1000
02044 VTT