



सीएसआईआर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान
पालमपुर – 176 061 (हि.प्र.)
CSIR-Institute of Himalayan Bioresource Technology
Palampur – 176 061 (H.P.)



CSIR-IHBT invites Expression of Interest (EOI)
for

“A process for the stereospecific conversion of camphor into borneol”

CSIR-IHBT invites expression of interest (EOI) from interested parties from Industries / SMEs / Progressive Entrepreneurs for licensing technology for A process for the stereospecific conversion of camphor into borneol

Borneol, a natural medicine coming from essential oils, is a highly soluble bicyclic monoterpene, traditionally used to relieve anxiety, restlessness, and insomnia. Chinese State Pharmacopoeia Committee recommended its clinical dose 0.15 to 0.3 g. It is a novel agent that improves drug delivery by enhancing blood-brain-barrier permeability and is used to improve consciousness in case of coma, heart attack, stroke, traumatic brain injury and other brain related emergency conditions. The global industry of borneol market is sized around 1-10 metric tons. We had developed a synthetic green process (higher yield, effectively, efficiently, safely and sustainably) converting stereospecific camphor into stereospecific borneol (~87%). Some of the Salient Features are as:

- No competing prior art is available in the market (Patents: US 9068141B2, EP 2690969 A1)
- Green process
- Stereospecific conversion
- The final product is pharmaceutical grade and in crystalline form

The application should include details of company profile and marketing strategies. The selected parties shall be called for discussions.

Interested parties may send their Expression of Interest, in a sealed cover superscripting “Expression of Interest” addressed to

The Director
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OR

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