

LIGHT ACTIVATED INSULIN DEPOT

Description:

A light activated insulin depot that remains inactive until irradiated with light. Once irradiated, the depot can release insulin in a dose dependent manner by varying the time and intensity of light exposure.

Benefits:

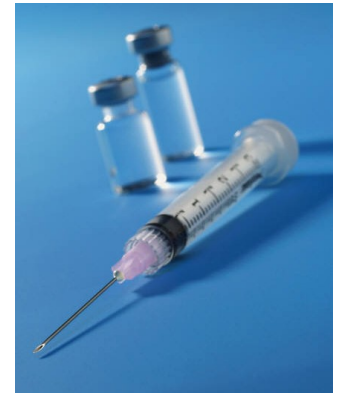
This depot could replace current diabetic therapies such as multiple daily injections, or the use of an insulin pump. With fewer injections and no cannula, the chance for infection would dramatically decrease. Also, easier dosing and delivery will allow for better patient compliance and easier maintenance of blood glucose levels.

Potential Applications:

- Delivery of insulin with minimal invasiveness.
- Paired with a non-invasive blood glucose monitor, this depot could potentially be used as a non-invasive automatic blood glucose control system.

IP Status:

Patent Pending



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