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(54) **Title:** DICARBOXYLIC ACID ESTERS FOR INDUCING AN ANALGESIC EFFECT

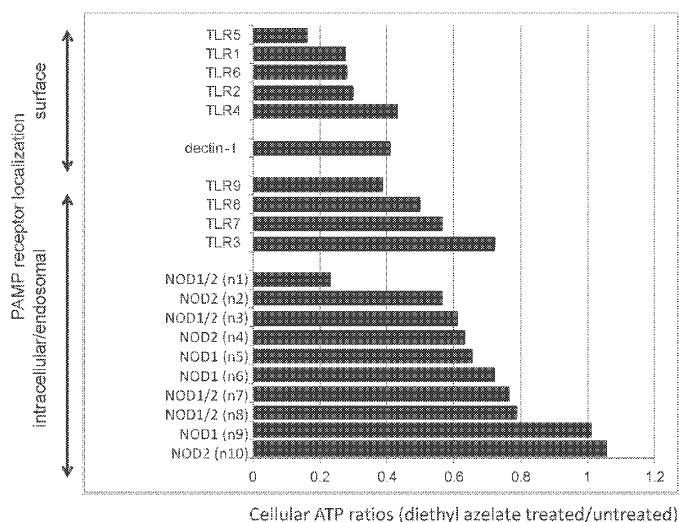


Figure 1. Modulation of ATP release by pattern recognition receptor agonists alone and in the presence of diethyl azelate in human plasmacytoid dendritic cells

(57) **Abstract:** The disclosure provides compositions and methods of inducing an analgesic effect. In particular, the methods include administering to a subject in need a pharmaceutical composition comprising a dicarboxylic acid ester.

[Continued on next page]

Declarations under Rule 4.17:

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