

# <sup>13</sup>C Immobilized Reagent

Novel liquid reagent which is easy to handle and to control the reaction equivalent

## Overview

Carboxylic acid compounds containing aromatic rings are important molecular structures as bioactive compounds and their precursors. For example, aromatic carboxylic acids such as aspirin and telmisartan and aromatic ring-containing carboxylic acids such as atorvastatin are known as important drugs. Therefore, it is desired to develop carboxylation reactions of organic molecules that can efficiently synthesize aromatic carboxylic acid compounds.

On the other hand, introduction of the <sup>12</sup>C isotope <sup>13</sup>C into organic molecules is important for elucidating the mechanism of chemical reactions or monitoring in vivo. For the conventional method, <sup>13</sup>CO<sub>2</sub> gas is reacted as the <sup>13</sup>C source, but special equipment and technology are required, and thus it is difficult to accurately control the amount of the gas.

This invention provides to a novel <sup>13</sup>C immobilizer in a liquid form that is easy to handle.

## Possible Applications

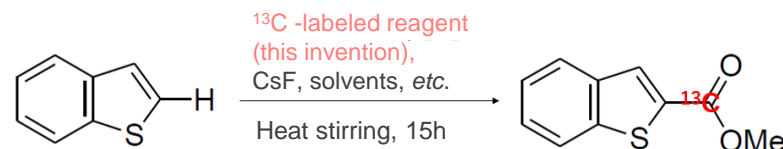
- <sup>13</sup>C label introducer, immobilized reagent

## IP Data

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Admin No. : T23-086

Since this patent application has not been published, the structural formula of the compound has not been disclosed. Please feel free to contact us as we can disclose this after signing a non-disclosure agreement.

## Features • Outstandings



By using the <sup>13</sup>C labeling reagent of the present invention, <sup>13</sup>C can be introduced in 2 steps.

## Related Works

## Contact

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