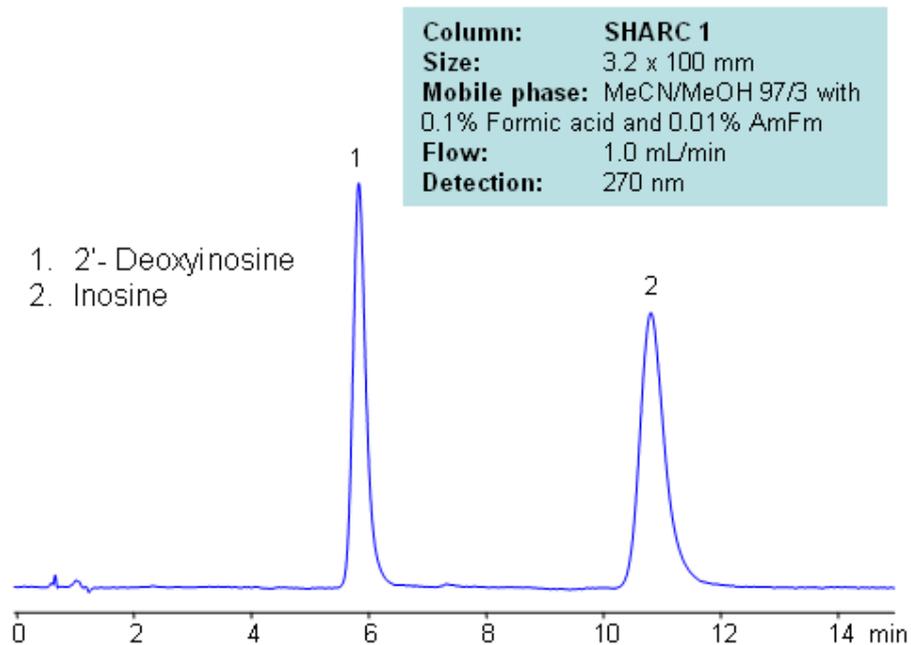


## HPLC Separation of Inosine and Deoxyinosine



The SHARC™ family of innovative columns represents the first commercially available columns primarily utilizing separation based on hydrogen bonding. SHARC stands for Specific Hydrogen-bond Adsorption Resolution Column. Hydrogen bonding involves an interaction or attraction between a bound hydrogen atom and molecules containing electronegative atoms, such as oxygen, nitrogen, and fluorine.

### Method Parameters

|                     |                                  |
|---------------------|----------------------------------|
| <b>Column</b>       | Sharc 1, 3.2x100 mm, 5 µm, 100 Å |
| <b>Mobile Phase</b> | MeCN/MeOH – 97/3%                |
| <b>Buffer</b>       | Formic Acid 0.1% , AmFm – 0.01%  |
| <b>Flow Rate</b>    | 1.0 mL/min                       |
| <b>Detection</b>    | UV, 270 nm                       |

Quelle: <https://sielc.com/HPLC%20Separation%20of%20Inosine%20and%20Deoxyinosine>