

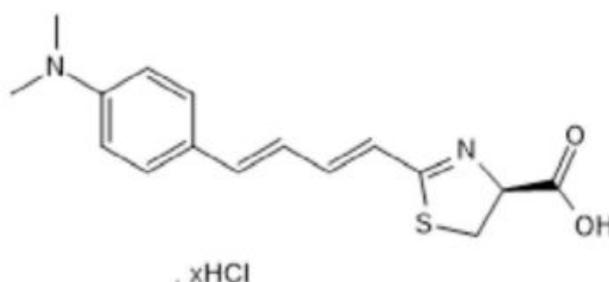
CERTIFICATE OF ANALYSIS

MediLumine Inc.

5795 Av. De Gaspé,
Suite #228
Montreal, QC,
Canada H2S 2X3
Phone: +1 514 929-9744
Fax: +1 514 360-6014
www.medilumine.com

Product:	Luciferin analog displaying luminescence peak at 677 nm (nearinfrared window) with standard firefly luciferase reporter system enabling deeper and more sensitive tissue imaging due to the reduced absorption and scattering of light compared to photonic emissions in the visible wavelengths. The analog also provides stroger emissions for for in vitro assays compared to use of DLuciferin.
Chemical Name:	2-[(1E,3E)-4-(4-Dimethylaminophenyl)buta-1,3-dienyl]-4,5-dihydrothiazole-4-carboxylic acid Hydrochloride
Trade Name(s):	AkaLumine HCL, TokeOni
CAS#:	1176235-08-7
Solubility:	5 mg/mL in water and 10 mg/ml in DMSO *A gentle warming in water bath at 45-60°C is recommended for solubilizing in water. The compound is also soluble in alcohol
Storage:	Store at -20°C. Stock solutions should be stored at -20°C and used within one month

Molecular structure:



	Specification	Result
Appearance:	Black solid	Black solid
Identification, H NMR:	Conforms to structure	Conforms to structure
Purity, HPLC:	>98.7%	>98.7%

*Soluble in DMSO, Alcohol and water

Release Date: July 2020

Expiration Date: 2 years from manufacture date

Note: Sample hygroscopic and light sensitive. Store in fridge protected from light. Allow to warm to room temperature before opening.