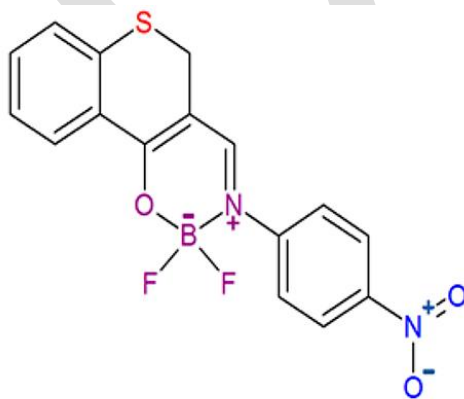


Organic Nano Electronic (ONE=1) Materials for those who understand quality

Technical Data Sheet

1M Material:	S-BF ₂ , OL5798 (Organic Lazer)
Common Name:	S-BF ₂
Chemical Name:	(<i>T</i> -4)-[2,3-Dihydro-3-[[[(4-nitrophenyl)imino-κ <i>N</i>]methyl]-4 <i>H</i> -1-benzothiopyran-4-onato-κ O^4]difluoroboron
Other Name:	(<i>E</i>)-3-(((4-nitrophenyl)imino)methyl)-2 <i>H</i> -thiochroman-4-olate·BF ₂ Boron, [2,3-dihydro-3-[[[(4-nitrophenyl)imino-κ <i>N</i>]methyl]-4 <i>H</i> -1-benzothiopyran-4-onato-κ O^4]difluoro-, (<i>T</i> -4)- (ACI)
CAS No.:	2095631-11-9
Chemical Structure:	



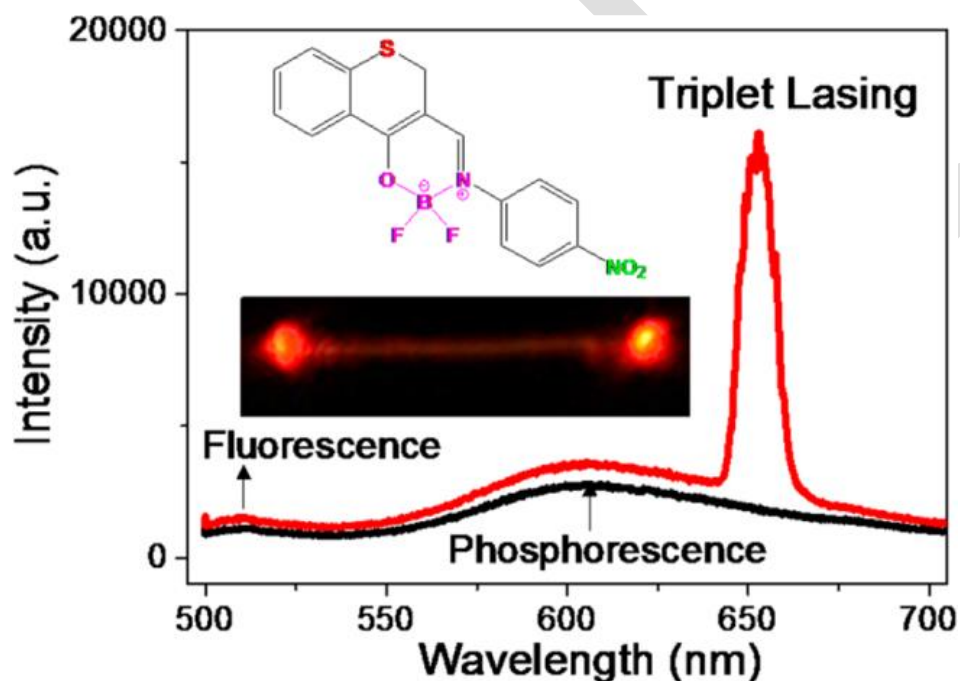
Appearance:	Red needle like crystal
Molecular weight:	360.14 (C ₁₆ H ₁₁ BF ₂ N ₂ O ₃ S)
Solubility:	Soluble in selected non-halogenated solvents
Assay:	99+% (by NMR)

1-Material is dedicated to provide the material according to customer's needs, and some material we promoted may be solely offered to certain customers for their specific needs in their research and development projects on a custom synthesis basis or on a contract research basis. All the material is offered as it is, along with the information and technical advice-where verbal, in writing or by way of trials-are given in good faith and are believed to be accurate but without warranty since the conditions of use are beyond the control of 1-Material, and this also applies where proprietary rights of third parties are involved. For the condition and term of our offer and service, please consult the disclaimer in our web: www.1-material.com

Reference: Organic Phosphorescence Nanowire Lasers

J. Am. Chem. Soc. 2017, 139, 6376–6381

Remark: The first triplet-phosphorescence Organic Solid-State Laser (OSSL) from nanowire microcavity of a sulfide-substituted β -hydroxyvinylimine difluoroboron compound



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